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1961

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<400> 2591

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tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaanttaa 180
cncaagctga agtgggtgcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnacntg gaattttttn tt 322
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1962

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<400> 2592

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tggccattca gacccggggt ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgccca tgcattccaat tcccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aagggtgaagg tgccgagcta taaacctcca gaataattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgtttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggttttacac agagaaatac aaaataaaag atcacacatc 420
aagactatct acaaaaattt tattatatat tttaacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattn acancccc 518
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<210> 2593

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<212> DNA

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cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180
aaatataacc aacaacaggg ggaaaaaaag ataccagat tccaaggacc tcacgatggg 240
gctgaaaacc tatgacacca gcttcctgga ctttctccag aagggtgttg gtatggggaa 300
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattcctc 360
agtcttcggg aacctccaag ccacagccca ggcccagac cctggaggga antcccantt 420
cctttttnc cctcttgag acaagggaag ggacaaggtt tccagggtng tcattcactc 480
ggagcagnaa aggcagatgg agattnancc aaagggattn ccaggggaaa ccaaag 536

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<220>

1964

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aacctttaac catgccaatg gtctcacact ggtttctcgt gccaccagc ttgtaatgga 120
gggatacaat tgggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gaccagcgc ctgctcgtgg tgagcctcat gttacacggn gcacccaga 300
ctacttccta taaatttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttaa aaacanan 388

<210> 2595
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1965

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<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 2595

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aaattaccga aaaaccttaa tacatagctg cttgtctcct actatacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtgggat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgccaa aaaaannn 418
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<210> 2596

<211> 444

<212> DNA

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<222> (372)

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<220>

<221> misc feature

<222> (386)

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<221> misc feature

<222> (417)

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<221> misc feature

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cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaagggag aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gacccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactgggatg gaacgttctc ctggtgcaat 240
gggagcgagt attaaaggtc tttcattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcatgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggnctgc tatggattcc cgcctcagtc ccttgcnctc 420
agatngaagg ttcactggnt tcac 444

<210> 2597

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (312)

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<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

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<220>

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<222> (358)

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ttaaggaaga atttcaaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300

1967

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt 362

<210> 2598

<211> 460

<212> DNA

<213> Homo sapiens

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<222> (332)

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<222> (451)

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<400> 2598

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gatggataag ctggtggtgg agtacgcaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgtctc gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgtccaac agccctcctc tggaagctgc gtccccctcac ccctgtttc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gntccaggc tatttttggt gcttaattac 360
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599

<211> 371

<212> DNA

<213> Homo sapiens

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<222> (52)

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<221> misc feature

<222> (154)

1968

<223> n equals a,t,g, or c

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<221> misc feature

<222> (231)

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<222> (361)

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<400> 2599

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gatgaatttg aagacatggt ggctgaaaag cggncatgcat cccagatggc tgtgggggtca 180
agtacatccc cagtcgtggg ccctctggga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccggt aaccatttg gccccttagg 360
nggttggttt t 371
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<210> 2600

<211> 415

<212> DNA

<213> Homo sapiens

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<222> (147)

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<222> (289)

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1969

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ggcaagaagg aacatagctt tgcnttncaa gtttagagtg gaattcgtgt gttgtacaga 180
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgttng cnggttctct 300
ggtnccttgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
tggngggctt tgnngctatnt catagcattt cagtaagtnt tcccantgta gggggg 415

<210> 2601

<211> 251

1970

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (230)

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<400> 2601

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cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgct ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251
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<210> 2602

<211> 517

<212> DNA

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1971

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<222> (138)
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<220>
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1973

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<222> (437)

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<222> (458)

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<400> 2602

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ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanaac gncccnatgg 180
nccanctgnt gggnacaaaga tctgtcaatt taagctggnt ctncctngggg agtcttcggt 240
aggcaaatcc agccttgtcc tccgcttttt caaggggncaa ttttacngnt accacgagag 300
cacaatttga gcgggctttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
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<210> 2603

<211> 505

<212> DNA

<213> Homo sapiens

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1974

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<222> (389)

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1975

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1976

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<400> 2603
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ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120
ggaaacctag gngatcccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180
ggcctggggg aaatcctcat tgacgattca atttggtgaa ggccaatttg tggactccta 240
cgatccaacc atagaaaaca cttttacaaa gttgatcaca gtcaaattga cangattatc 300
atgttnaact tgtagacaca gccggggcaa gatgaatatt ctatcctttc cctcaggaca 360
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaagg 420
tttgnagggg ttttaagttat ccctggggcaa tngtgggtat ngtgggggaa ggacaataac 480
cnntttgttg gntggggntn agnag 505

<210> 2604
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

1977

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
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<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2604
cccgnagaca cgggcaanaa ctnggggtcta cttgaagctg aactctgaga ccgacgcaga 60
cacngaattgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacggtggat cgacccttg ggccanggae ccnnggtcac cgacnactca g 171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

1978

<221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (349)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (430)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (432)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (467)
 <223> n equals a,t,g, or c

<400> 2605
 ggcgcggntg gaggtgtgag gatccgaacc caggggtgga ggcggtcct gcgatcgaag 60
 gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
 cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
 agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
 aaggatgcca aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagttcga 300
 tgcagcagat acctttacac cctggcatn actgacaaaag agaaggcana gaaactgaag 360
 cagtccctgc cccccgggtt tgcccagtga aggaactgaa atgaaccaga caaactgat 420
 ttngaactgn cnttatatta aaatactaaa natcctaata tattcan 467

<210> 2606
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1979

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 2606
ggcaggatca aggtgaaaag gagaacccca tgcgggaact tcgcatccgc aaactctgtn 60
tcaacatctg tggtggggag agtgganaca gactgacgcg agcagccaag gtgtngggagc 120

1980

```
agctcacagg gcagaccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggcccaag gcagaagaaa 240
tcttgagaaa nggtctaaag gtgcgggagt atganttaan aanaaacaac ttctcagatn 300
ctggaaactt tgg                                     313
```

<210> 2607

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

1981

<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 2607
gcgccatctt ccagtaattc gccaaaatga cgaacacaaa gggaaagagg agaggcaccc 60
gatatatgtt ctctaggcct tttanaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat ggggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc cannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaatgtnc 300
gtattgagca cattaancac tcta 324

<210> 2608
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

1982

<400> 2608

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ncgccgaaag cgaagaagga agctcctgcc cctcctaaag ctgaagccaa agcgaaggct 60
ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ctttccggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttccgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaagggtca acaccctgat tcggcctgat ggagagaaga aggcataatgt tcgactggct 420
cctgattacg atgcttttga tggtgccaac aaaattggga tcattctaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacncgt tgcattgccga cgtcttagct 600
cttntatagt ggtcaccccta aaatt                                     625
```

<210> 2609

<211> 151

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2609

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ggccccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tgggtgcttgt 60
```

1983

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
 cctcanatcg cccctacagc catgcncctgg t 151

<210> 2610

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<400> 2610

aatgattacg ccntttctaa tacgactcnc tatagggaaa gctgggtacgc ctgcaggtac 60
 cgggtccggaa ttcccgggtc gacccacgcg tccgggtcgcc gctgctggagg gagccgccgc 120
 catgtctgcg catctgcaat ggatgggtcgt gcggaactgc tccagtttcc tgatcaagag 180
 gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcgaatt ccttccgcta 240
 caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttcttg 300
 tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgctgaca catcaacaga 360
 tgtccgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420

1984

ctctccncaa c

431

<210> 2611

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

1985

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<400> 2611

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ggcagagcg caaagaaggg tngcgagann aanaaaggcn gttctnccat caacgaatga 60
taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcaactnaa ga                                     142
```

<210> 2612

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2612

```
ananagacac naaccctcac taaagggaac aaaagctgga gctccaccgc ggtggcgggcc 60
gctctagaac tagtgatgcc cccgggctgc aggaattcgg cacgaggttg tctgcaggca 120
ctcagaatgg tccagcgttt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggc tgtcccgaac ccttggtaat agaattgttt acctttatac caagaagggt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg ggttcgtgct 300
gtaagaccta aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttgtgaa agtggtgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa cttttttgag taataaaaat gaaaagac                                     518
```

<210> 2613

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

1986

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 2613
gctgcactgc caccctgggc nacttcgcca aggccacctt tgatgccatt tctaagacct 60
acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct ccctatcagg 120
agttcactga ccacctcgtc nagaccaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag ggtttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)

1987

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 2614

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gggtcnntgc ctccaagatg acaaagaaaa gaaggaacaa tggtcgtgcc aaaaagggcc 60
gcggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgcc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgtatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtccccca ccaaagccca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

```

<210> 2615

<211> 293

<212> DNA

<213> Homo sapiens

1988

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

1989

<400> 2615

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ggtcaccatc agctgtntctg gaaccaccog cganaatacg gccatggtno tcgntcttgt 60
cgtgtctgtt caaacccggca cggctctgatc cggaaatatg gcctcaatat gtgccgccag 120
tggttccgctc agtacgcgaa ggatatcggg ttcathtaagt tggactanat gctcttcctt 180
cataggatta tccggggcat ctactcaatg aaaaaccatg ataattcttt gtatataaaa 240
taaacatttg aaataanctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293
```

<210> 2616

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2616

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gcgccctcga ggcgttcagc tgcttcaaga tgaagctgaa catctccttc ccagccactg 60
gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtgggtc 180
```

1990

gaatcagngg tgggaacgac aaacaaggnt tccccatgaa gcaggggtgtc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtgggt gcattgtg 338

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1991

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<400> 2617

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aattcggcag aggtcataga acccagaagg aaattgagca ggaagctgca gttgaattat 60
cacagttgag ggacccacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgataggtgt ttgcaactnca tcttgggctg tgtacccatt ggcaaagca gggaggattt 180
tggtgggttat tactgccctt gccatgggtc acacttatga tgcactctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tnccccacgg tattgagttt caccagtgc 300
ggntattggt ggatttggtt ggttnaagag actttnggac ttcaagncca taagggnntt 360
tttttcagtc ctttanggtt caaccccgag ggggcttttn ttttggggga gggaggcctt 420
nt
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<210> 2618

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

1992

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

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<222> (444)

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<220>

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<222> (457)

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1993

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<220>
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<222> (474)
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<220>
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ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaacttttng gntttcngna 420
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttggggt tttnctggca 480
gttatnggaa aat 493

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<212> DNA
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<222> (427)
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1994

<220>
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<222> (429)
<223> n equals a,t,g, or c

<220>
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ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120
ccgggggtcaa ccctgaagat cacaggcagn atcgccgatg gcaactgatg ctttgtaatt 180
aatctggggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccaaggtc agaggtaag ttacagtgga ctttttgaga agtgacaaat 360
tcaaagggtga aacctgccaa aatgggcacg aactggnttt ttccaacaa ggcttggggg 420
cacaanncna ccttaanct 439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

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cccgatattc gggcagcgag ggcagcacgc agaccctgac caagggggag ctcaaggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccaggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggn 330

<210> 2621
<211> 508
<212> DNA
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1995

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<222> (296)
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<222> (333)
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1996

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<222> (347)

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<222> (357)

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1997

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<220>
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cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctacceaac cgaccatttg gcctttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcaçt ggggacagag 240
gatatatgga taaagatggg tatttctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctgggtt tçgatattggc ccctttgggt ggnaaatccc ccattnnac cccttanttt 360
agagtncctt ttttcaaang cccnaccctt tcaagggggg nggtnaaagt tttnggnttt 420
aaaaccntt tcnangncca nttcagggcc ccttttaagg ggttccgggg cttttaaaaa 480
ctccgggcct tnaatttccc cagggggg 508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

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1998

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<222> (115)
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<220>
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1999

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<223> n equals a,t,g, or c

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gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcatntaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaanancaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaa nnaagggcgg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a 361

<210> 2623
<211> 407
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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2000

<222> (104)
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<222> (366)
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<220>
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<222> (383)
<223> n equals a,t,g, or c

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gcgtnnttgga aatgaccccn cagcagggag acgtctacat ntgncaagtg gagcacacca 120
gcctggacag tctgtgnacc gtggagtgga aggcacagtc tgattctgcc cggagtaaga 180
cattgacggg agctgggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240
tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacagggttn ctgacctacc 300
gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctgggttcang 360
acagancctt agcttttccc aanaggatac tggttgcaaa aaagttt 407

2001

<210> 2624
<211> 303
<212> DNA
<213> Homo sapiens

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<220>
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<222> (51)
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<220>
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2002

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<221> misc feature
<222> (264)
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<220>
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gtttcaagcc cctgcaggaa gcagaatgca ccttttgagg cacctncagc tgcccccggc 120
cgggnaagtg cgaaggctcg gagcaccett gcccggtgt gaattgctgc caggactgt 180
tgcactnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtncctttaa cggaattaaa ggttcccccc attgcttcca 300
aan 303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
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gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcacgaggga 120
cagcccgtgg cagaatctgc tcctgggaca cccacagggg ggctg 165

<210> 2626
<211> 406
<212> DNA
<213> Homo sapiens

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<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (334)

2003

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

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<222> (364)

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<222> (382)

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<221> misc feature

<222> (391)

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<400> 2626

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angtgcattc ggctcagtag taccggtccc ccgtgcccc gtacncccc agggtcctga 120
cgcaagcttc caaccccgtc gtctgcacgc aagccaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttcct cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcattcaacc ctctactggg tggttatagcg tntcaactgc 360
ccnnggggga agaaaaaat cngtgttcct nttttcaaac ttctcc 406
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<210> 2627

<211> 334

<212> DNA

<213> Homo sapiens

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<222> (19)

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<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

2004

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<222> (70)
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<220>
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<222> (98)
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<220>
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<220>
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<220>
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2005

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<220>
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<222> (333)
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tctctgaggn ccgcacctac agcttcccct gctacctncc gcagcccgt catcaaccac 120
gccgccagg cnggatacgg atggcatcca cctcctgagc agcngcncc tgnatgaatc 180
caagagtcgc atgcagcaga agctgccctg agtcaactncn acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct cctgaaggg gaaaccactc 300
cagaaggac ccangctacc caggggntgg ncna 334

<210> 2628
<211> 568
<212> DNA
<213> Homo sapiens

<220>
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<222> (341)
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<220>
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<222> (395)
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2006

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<222> (407)
<223> n equals a,t,g, or c

<220>
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<222> (429)
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<222> (455)
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<222> (508)
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<222> (524)
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<220>
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<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
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<222> (557)
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2007

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cctgggtggca aatgggggcc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcaccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accacccgca ctgggccccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct ctgggggctg 300
ggttagggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttntctgac gaagctnaac gaagaatact 420
cttggaang tgaccctgc cttnttgccc tcctnanta ccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaagggaag tggnaanaaca tttaagcttc 540
taccctactg tctgnanttt ggaaggcc 568

<210> 2629

<211> 335

<212> DNA

<213> Homo sapiens

<220>

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<222> (7)

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<220>

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<222> (25)

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<222> (49)

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<221> misc feature

<222> (55)

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2008

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<220>
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<222> (82)
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<222> (105)
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<222> (334)
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gtncagagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatacctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg taccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggcgg ggang 335

<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2009

<222> (16)
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<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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<222> (79)
<223> n equals a,t,g, or c

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<222> (86)
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<222> (87)
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<220>
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<222> (104)
<223> n equals a,t,g, or c

<400> 2630
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agttacagaa gcattctcna acaggnttgc tgctattaaa atcnatacca aaagtga 117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (460)
<223> n equals a,t,g, or c

2010

<220>
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<222> (474)
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<220>
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<222> (475)
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<220>
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<222> (482)
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<400> 2631
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agacaatcgc accacagaat gctccaagag atgaggtctag gggccgttcc tcgtttttatc 120
ctgatggttg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaagag gcttcaaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccg ggaatncctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt 488

<210> 2632
<211> 103
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

2011

<220>
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<222> (100)
<223> n equals a,t,g, or c

<400> 2632
gaccggtatc aggtgtgcca aggcgaantn aaagaattgc aggcaaaaga gtttgcanaa 60
tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633
<211> 686
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<220>
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<222> (321)
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<220>
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<220>

2012

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<222> (645)
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<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
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<222> (663)
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<400> 2633
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atggcggagt acgacttgac tactcntatc gcgcactttt tggatcggca tctagtcttt 120
ccgcttcttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt gggtgcacaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtca accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt tttttagagt gctggttcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acggttaaaa gagancatag ntaataattc 660
tgngggtctc catttagctc ttagca 686

<210> 2634
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

2013

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 2634

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tcggggggcca gatggggctg ttcatcgggg ccagcatcct cacgggtgctg gagctctttg 120
actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgctg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcca gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcgggccgaa ggacttcnaa gacntttact tgnttgancc cccg      354
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<210> 2635

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

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<220>

<221> misc feature

<222> (74)

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<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

2014

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<220>
<221> misc feature
<222> (145)
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<220>
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<220>
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<220>
<221> misc feature
<222> (276)
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<220>
<221> misc feature
<222> (277)
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<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
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<220>
<221> misc feature

2015

<222> (368)
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<220>
<221> misc feature
<222> (377)
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<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
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<220>
<221> misc feature
<222> (418)
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<220>
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<222> (450)
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<220>
<221> misc feature
<222> (471)
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<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
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<220>
<221> misc feature
<222> (555)

2016

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<400> 2635

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anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggg gctgctgtga ttgancacga gcgagttcag aagacctttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtnnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggctcntct tgtttttaat atccggcatt ntgaaatata tcanacanga 420
ctttaaattg tctattttgt tgcggatcan gttaatgtta caagggtattt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngtttttn                                     620
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<210> 2636

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

2017

<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
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<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 2636
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gacatcctct ggatcctctg ttggttnct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
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<220>
<221> misc feature
<222> (52)
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<220>
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<222> (225)
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<220>
<221> misc feature

2018

<222> (238)

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<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

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<222> (261)

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<220>

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<222> (285)

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<220>

<221> misc feature

<222> (293)

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<220>

<221> misc feature

<222> (335)

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<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<400> 2637

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ggcggggctg cctaggnctg ggttgctcctt tgcattctgca cgtgttctgca gncgttttccg 60
cgatgctgcc tctgctgctg tgcgtgcccc gtgtgctggg ctctctccgct gccggcctcc 120
gcgctgccgc gccgcctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180
cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggngggccg ggcctccngc 240
ggnctcgcg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
aaacccttcc naagatg 377

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<210> 2638

<211> 479

<212> DNA

<213> Homo sapiens

2019

<220>
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<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
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<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
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<220>
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<222> (433)
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<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2638
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agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaagggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaaag gaaagaaaat aggaagtgtg gcagatgtaa cttcattttc 240
atttcattgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaatttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgncatgcca 420
ggatacaaat gnnatgatgac ngatattatg gcggctattg gggttaatcca cttnaagat 479

<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens

2020

<220>
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<222> (287)
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<220>
<221> misc feature
<222> (300)
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<220>
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<222> (370)
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<220>
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<222> (374)
<223> n equals a,t,g, or c

<220>
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<222> (402)
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<220>
<221> misc feature
<222> (405)
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<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2639
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gatctggaga cactaataat tttccttatc tggaaaagac agccaaaaaa gtgtaccagc 120
gcatacccg c tccagcctga ggacgtcaac ctgcgggtca tctcggaata tcagaagctc 180
tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
gcagtggctc tgggggcca ggtgttgga cgtcacataa ctttggncaa gacctggaan 300
gggagtgacc actcgactc gctggagcct ggagaactgg gcgaagctgg tgcgggtcagt 360
gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2021

<222> (148)
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<220>
<221> misc feature
<222> (153)
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<220>
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<222> (154)
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<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

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acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttccccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
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<220>
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<222> (328)

2022

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<221> misc feature

<222> (359)

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<220>

<221> misc feature

<222> (380)

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<220>

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<222> (425)

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<220>

<221> misc feature

<222> (444)

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<400> 2641

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aaaaaccaca ctaggcaaag aacttgcgtc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa tttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctcncccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc 450
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<210> 2642

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (173)

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<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

2023

<220>
<221> misc feature
<222> (189)
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<220>
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<220>
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<222> (240)
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<220>
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<220>
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<220>
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<220>
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<222> (281)
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<220>
<221> misc feature
<222> (305)
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2024

<220>
<221> misc feature
<222> (317)
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<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (384)
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<220>
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<220>

2025

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<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
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<222> (493)
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<400> 2642
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gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
gccgggtccac ctcacagcct tcctgggata caaggctggc atgactcaca tcntgcggga 180
attcnacang gccggatcca aggtgaacaa aagagttggt tgaagcnttt tacatTTTTn 240
aaaaaaccng ngntTTTTtg cttttgncct tnaaaacccc nagggcccgaa ccttcaaaat 300
ttttntttta ccccttnnaa tcanaaggnt ttttttnaaa tggttntttt aaaaaagctt 360
cccntttcca aatggggaga agangggnaa cccggaagaa tccccccaaa atttcttttc 420
cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
aggcccaaan aanattctta catTTTTtggg aaaaaaatcc gttaaggagg gaagttcctt 540
tgccaaaaac 550

<210> 2643
<211> 355
<212> DNA
<213> Homo sapiens

<220>
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2026

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<222> (21)
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<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
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<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
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<222> (339)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 2643
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ctgcaggtac cggtcgggaa ttcccggtc gacccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgcccc gaacgtacca gggacataac aggtctcaga gaggtactg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

2027

tcctgtttat ttacagtatc tgttgttgnt atagnactna ctgnttttnt atttt 355

<210> 2644

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

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<222> (27)

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<220>

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<222> (71)

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<220>

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<222> (159)

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<220>

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<222> (190)

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

2028

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (266)
<223> n equals a,t,g, or c

<220>
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<222> (273)
<223> n equals a,t,g, or c

<220>
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<222> (298)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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2029

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 cccgggtcga nccacgcgtc cgcggacgcg tggggccagc ctggggccggc accctggggc 120
 tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
 cagcctgggn cgtcacctng gagggactgg atctgngggt cccggcagnc cctgcttga 240
 ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagaccca cactgtcnng 300
 gaagagcant gcctatggct accaggtcc ttcnacgcca tccttgctg tctnccctgc 360
 ctactaccct ggactgagna gccctgacac ctacnag 397

<210> 2645
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (199)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (204)
 <223> n equals a,t,g, or c

<220>
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 <222> (214)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (232)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (243)
 <223> n equals a,t,g, or c

<400> 2645
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 ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaagggtgct tatcacagat 120
 tctccacact gagttttaat ctaagggtatt gaaaatggag tagagtataa agtgtgaatg 180
 catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt anggggaacat 240
 gangctggct 250

<210> 2646
 <211> 361
 <212> DNA
 <213> Homo sapiens

2030

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2646

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atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc tttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cggggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g                                     361
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<210> 2647

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

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<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2031

<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 2647
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cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctgtt tgcagccaag ttctatagaa 180
atttttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacia 260

<210> 2648
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2648

2032

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gccccacgcgt cccgtcccg ggcctagccc acctccgacc cgctctcttg ctcctctcct 60
ctaggccgctc gctttcgggt tctctcatcg cttcgtcgtt cgccaatggt tgaggagaag 120
gccagcagtc cttcagggaa gatgggaggc gaggagaagc cgattggtgc tggatgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatttac acacgtcttg agatgtataa tataactaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcbangt cataagtttt tctattagng ncacctaaa 420
t 421
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<210> 2649

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2033

<222> (681)

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<220>

<221> misc feature

<222> (706)

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<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 2649

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cgtccggatt ccctcccgaa cagttaaccg gaagagtaca gacagcccg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggatattgt 180
ggtcatcatc ctgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaattg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatatgac 420
ctgttattac cattagcatt ctggttttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caaggtttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aaggggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcttaa aaaatctggg tgggactttt gaaaagcttt tttttttttt 660
ttttttgana cgggagcntg ntthttgttg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaattg ctggcctaaa ccttccgagt 780
agntggga

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<210> 2650

<211> 378

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2034

<222> (150)
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<220>
<221> misc feature
<222> (237)
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<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
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<220>
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<222> (289)
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<220>
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<220>
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<222> (352)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
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<400> 2650
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aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcacc tctaagtgcc 120
tcattgagtt cgggtgcatct ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
tctgctgctt caacaacagt gacttgctct ccaatgggat ccagtgattc gttgaanagg 240
agggtgctctg tagcagaaac tgagctncgg gtggctgntt ctcaatggnt gctcatgtct 300
cttttctgct tangtggttc attaaatgca ccacttggtg gcaatgttaa tnttttttta 360
acacnttact tgggggnt 378

2035

<210> 2651
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2651
gcctcaagca gcgggcggtcc cttagtgaca gtgtctacac ccctccacca agtgtccccc 60
acgggccttg agcccagcca cagcctgctg agtacagaag ccaagctggc ctcagcagct 120
ggggggccccc tccccctgtc agcacccctga cagcactgca cagnttggag canacatccc 180
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcacgacca 240
t 241

<210> 2652
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2652
gacctgtcaa aacatatcaa gaccaccag aataagaagg gagggccagg tgtagctctg 60
agtgtgggca ctttgcccct ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

2036

```
ccttcagccc ttattaccac caatatggta gccatggagg ccatctgtcc agagggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt                                     377
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<210> 2653

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

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<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

2037

<220>
<221> misc feature
<222> (398)
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<220>
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<222> (404)
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<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
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<222> (420)
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<220>
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<220>
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<222> (447)
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<220>
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<220>
<221> misc feature
<222> (477)
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<220>
<221> misc feature
<222> (489)
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<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>

2038

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 2653

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aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtgggc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnnccccgg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccggggtctg ccaggnaaag tactttgggc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaattt caccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtccaag ggttccaagg ggttccagtt agggggaant tttggtggcc 360
cctgccctgg gccctgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat ntggggaagg aaggccntag 480
gggattccnt ttttna                                     496
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<210> 2654

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

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<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

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<220>

2039

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<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2654
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ctctcctcac ctgccgtcat caatgcccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact ccggtctgggg caacactctg agctttggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggg gctgaccag gctgagtgtg 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtgggggt tccttgaggg 300
gaggcaagga ttccttgcca gctgacttt ggtggccctg tggctctgcaa ggacagttcc 360
aaggggttgt ctncctggggc caggggtgtg tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntgggtgcaa cattaagccc ggtnccttng 480
atttttacca taanggct 498

<210> 2655
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>

2040

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
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caaaatcgag caagctatgg atctagtga aagccatttg atgtatgcgg tcagagaaga 120
agtggaggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tncgtgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccccgc 300
cagccagtat nntagggtc angaccaacc gcatan 336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

2041

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
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tatcgccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccagtac tggccatctg atggactggg gtcctatgga gatattacag tggaaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctgggtcacca acaccagga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgcagga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
agggaaccac cccatcaccg gtgcactgca gcgcccgagg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg gancntgtg aaancanagg ggattttgga tgtcttccag 540
actgtcagag cctgcgggctt tcagagggca cacatgggtc agacactgga acantttnag 600
ttntgggtcc nnggtggtgc ag 622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2042

<222> (463)

<223> n equals a,t,g, or c

<400> 2657

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ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctgggtg ccctggcgac 120
actggacctg ccttggtctt tttgatccca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgtcggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaaggga ctccgtggga aggaggcttg 420
tttaactac ggatgctttt caaagatgat tatccatctt cgncaccaaa atgtaaattc 480
gaaccaccat tatttca 497
```

<210> 2658

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 2658

```
tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagcccaa acttgttaaa ggtatggcag 360
gaggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tgggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaattgttaa gaatgaaat acaagtggca cccgtaaatc tgaa 584
```

<210> 2659

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

2043

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tgggtgttgcg cctgcgaggt ggcattattg agccttctct 120
ccgccagctt gcccgaaaat acaactgcga caagatgata tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttggtc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn 358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)

2044

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 2660

```
gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccc caacaagttc aaccagggtg agagtataa gcttcgaatg gacagagcca 180
tccctgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtggtca 300
gcgtgcttaa gaaaagcccc ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcttc atgcgctcac gggttcgggg ggccgatgct gcccaagcca 480
aggtcctgac cttcctggac agtactgcg agtgtaatga gcactggctg gagccccctc 540
tggaagggtt ggcgaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggacca ctttcantnn tgtgggggca tctggctnga cttt 644
```

<210> 2661

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2661

2045

```
ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagacg aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgta 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atttttctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttaciaat gcaagggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatattta 439
```

<210> 2662

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 2662

```
tgacaaaaag cctatacgat atgcaagant tgtatttnct caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgtc tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa taccctggca 300
```

2046

<210> 2663
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 2663
ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
ctcctagaaa atagtttggt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
tttaaattac tccttttccc tggcttgccct tattccacat ccacctaagt ccatctgtct 300
ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaaccta 360
gaaattgcaa gacacttgag aaacttctag taacctaata tgtaatcaca tgttaggtaa 420
tcaacttttt gcaggttatt ttcaattact ctcca 455

<210> 2664
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2664
taaaaaactaa gtttccaagg cagtatgctg tggtccttga aaagtccttt agaagaattt 60
tctngaataa atttagagaa aacctaagtg tttcctaggg gatgcttacc aactcctcgc 120
ccctcccccg cccgccctct tttattttta ttgtgactca ggggttaaata caaactacta 180
gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgngg gaatcctcca 300

2047

agtgccacct ctgactaata ttgggctgtt gccaggaaaa cccaactttg ggattttcaag 360
ctattacttt cctggaacc cctgggtgctt gactattcaa ggggacagct ct 412

<210> 2665

<211> 366

<212> DNA

<213> Homo sapiens

<400> 2665

agcagggtcg gcagtgaaga gcagagaaag gcagttgggg atgttgccac tgtccccga 60
gaccaccctg ccatggagac gagggagctg tcccttcgcg gaagggggct ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gaccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg ttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tcctcagcgg gtccctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt ttaagggat 360
gcacgg 366

<210> 2666

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2666

gaattttaat agtaaaatct tataagtggg tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatattt aagtataatt tagtgttttc tggaaagaaa tcaaagtgtg 120
ttctgtgggc attcacattt tcttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc ttttaacctaa aaaaattaaa tagtcattca gcttacagg 300
ctgcttaaaa aacagaacat tttttagctt nttttgaacc aattttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaacg atccattcac attttaggca 420
ctcatttcag tattttcttt ctgcttacat tag 453

<210> 2667

<211> 479

<212> DNA

<213> Homo sapiens

<400> 2667

gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaagg 360
gaggctcagc aggaagaagc aggaaggaca ctgggcccc ggtggtttta gttccagaaa 180
caaagtgtggg cccagggct ctgcaatggt aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatcccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaacctt ctctgatttc aaaccaccag tccctttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttcagatc agggagctga gatattctcaa gctcagggtt ctcttctgag cttcagacg 479

2048

<210> 2668
<211> 450
<212> DNA
<213> Homo sapiens

<400> 2668
ccgcataccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggcctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccg agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccactctaaag ctttcttttc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450

<210> 2669
<211> 507
<212> DNA
<213> Homo sapiens

<400> 2669
cgctccccca tccttgcctt gctctgaggt gccagccaga gccgctcagg gtctctccgtc 60
cggttttcccg tgggacctaac agcagggccc tggggccacc acccgcacct ccctgcctcc 120
atctcagaaa ctgaagcctg ggagccccct gggccacctg agtctgggag acgcaagcca 180
atcccgggga caggccccgg ccccttccta gtgaggggca cgctctgggtc aatcgtgggg 240
cagagaaatt tgctttttta cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccagtttt attggaaaat tatatataaa attcttatat acatttttagt 480
aagcctccat cttagtatct aaaactt 507

<210> 2670
<211> 404
<212> DNA
<213> Homo sapiens

<400> 2670
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaa tcttaagatc 60
tgtatttttt atagttttata aaagtttttt tgtgatcaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat ttttaagatat 180
ttaaaaaatat tttctgtaat ttcatagaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tggttaaagct attttttaatt ctaggggggt 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404

<210> 2671
<211> 414
<212> DNA
<213> Homo sapiens

2049

<400> 2671

```
gaaactcctt gttggetcaa ctgctcttca cagatgcata attttgaggt ccatacacca 60
ccctgggtcac tctcttttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtaggggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatata ccttggtcag gagacaaaat 360
tgctcccaaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414
```

<210> 2672

<211> 445

<212> DNA

<213> Homo sapiens

<400> 2672

```
cacgcaagca tggtaggact tgctggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccggtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaaaggac cgggctacgg ggccaggaat 180
tgaagtgatg gggtcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgcctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtggtcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445
```

<210> 2673

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 2673

```
gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc aggggtacaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagaccca gcctttccca aagagtgaac 240
aggtatatatt acattttctg tcagttgtta cagaagatgg cccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366
```

<210> 2674

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

2050

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 2674

```
acnccctcat aaggaacaa agntngngtt ccacnggtga gnccgtnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgcgtgttt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgcc tgctgcagtc ttatgcattc ttagaaacca gat 233
```

<210> 2675

<211> 547

<212> DNA

2051

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 2675

```

gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgcg gtgcgncgcg 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaataag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta cttatatgt ctgtcttctt 180
atataagaaa gtgacacat acaaagaaac aactattcag gctggtgcta gaggggtggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaatgtta gtggtgcctc tgcagaggta gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcctgagtc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt                                     547

```

<210> 2676

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2052

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2676
ancctcacta aggggaacaaa gctggngctc caccgcggtg ncgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgac aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacaccctt taacagcatc caggaggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcagggt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttggtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t 581

<210> 2677
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>

2053

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 2677

```

nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcca cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg ggccgcgaag 240
ggctcacgta atgactccta ctccctggta gcgcaggcgt tgcggaactc accgtcccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgagg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggctcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcattc aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgctc gttccgatga aggaagaggt tctgaacctg ttaagcagat 600
tggttaagta tccccagca gtccaacatt tggttgacgt tggtgcagta g 651

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<210> 2678

<211> 326

<212> DNA

<213> Homo sapiens

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<222> (151)

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<400> 2678

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aggtcttcag aagaaaggaa gtctcacttt ttaaaataaaa caaatgagan agtggtttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctccccctc gtgatgttgc 180
cggccacacg cacctgcgac ctctgtgcaga aacgtgcagc agtgctttcc agctgggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcagggtgca gccgtgggtgg 300
agagcacagg gcgacactcg gcttgg 326

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<210> 2679

<211> 343

<212> DNA

<213> Homo sapiens

<400> 2679

2054

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tgggcttcct gacggccaca ttccctggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttgg ccggcgaagg cagggccggc gggaacagcg 240
aaaagcccac cgtgctgaag ctcacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343
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<211> 354

<212> DNA

<213> Homo sapiens

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<222> (37)

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tatgaccac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc cccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca 354

<210> 2681
<211> 156
<212> DNA
<213> Homo sapiens

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2056

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<400> 2681
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gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgcct gccaga 156

<210> 2682
<211> 219
<212> DNA
<213> Homo sapiens

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2057

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<221> misc feature

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<222> (211)

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aaanaatgtc tctnagagac tgcgagaacc tttaattttt tnccggctgg ttccgatttg 120
gggtggattt tggttttntt cccctcctc caatntcccc cacccttcc ccgncctttt 180
ttttttttt tttnaaaann ggttttttat nttgaaatt 219

<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
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<222> (267)
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<220>
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<400> 2683
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cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcacc cacagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaaann 280

<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
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2059

<222> (253)
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (330)
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<400> 2684
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 attttacgct tccttatttc ttaggtgggc cacaattagt gaaaatctgt ttgcaaccac 120
 tgggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
 catcctcatg gggttctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
 gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
 ttcnagtacc ttagattcac aaactttgtn ttttttagtac anatttggaa gaattccnat 360
 agtaccacan tttggaag 378

<210> 2685
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 <212> DNA
 <213> Homo sapiens

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<220>
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2060

<400> 2685

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ctggttagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaaac ctaacaacgc ttacaatttt tttgggggtga agtcacacaag cttgggtggt 240
gattaccaag agggactaca tggaaggaag gcggaatgtc acaggaacta ttctttgggt 300
cttnggggtg gtgggtgtcc tggggtttgt atcacagcta cctttttttt tttttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcaggtcac 420
tggggtct 428
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<210> 2686

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (27)

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2061

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<220>
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gggntcgacc cacgcgtccg cttcttttag tcaggctttc tgaacattga gatatcctga 120
acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180
agtactctta ctgcctcttt tctaaatggt caggaaaagc attgccagtt cagtcttttc 240
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgtt ttttttnaa 300
actgcatttt aaaaattgga tagtataata acaataagga gtaagccacc ttttataggn 360
nn 362

<210> 2687
<211> 424
<212> DNA
<213> Homo sapiens

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ggtgaaggcc ggcgcgtcgc ccggccgagg tgggatccc aggcctctcc agtccgccga 120
gggcgaccca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg agcgcacgtg 180
ttaggacccg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
aggtccgtag cggtcctgac gtgcaaactg gtcgtccgac ctgggtatag gggcgaaaga 300
ctaatacgaa catctagtag ctggttcctt ccgaagtctt cctcaggata gctggcgctc 360
tcgcagaccc gacgcacccc cgccacgcat tttatccggt aaagcgaatg attagaggtc 420
ttgg 424

<210> 2688
<211> 291
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature

2062

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<222> (62)
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<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
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<220>
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<222> (178)
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<220>
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<222> (259)
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<220>
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<222> (277)
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<220>
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tnctacctta aacaaaaagn tagaaaatat gttttaaaaa gttatggatc atttgtttta 120
ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgctcg ttctagtgat 240
tgatcaaagg acacctctnc actttccctt gtcctnggg caccctgtnt t 291

<210> 2689
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<212> DNA
<213> Homo sapiens

<220>

2063

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<222> (245)
<223> n equals a,t,g, or c

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<222> (253)
<223> n equals a,t,g, or c

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aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180
gtgcttgtgc aagtgtaatg aattttgcct tatgacatga ctttgtggtg actatgcaat 240
ctgtncattg ttncaaaaag ttacacagtg ncaaaggaac at 282

<210> 2690
<211> 504
<212> DNA
<213> Homo sapiens

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<222> (229)
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2064

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2065

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2066

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<222> (482)

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<220>

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<222> (483)

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2068

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ggtinctgctg cagtgcccat caccaccacg aactctctca gcgtcttctg ttgctccgct 120
gccgtcttca tcccatgcgc ctccccacat ccactacttt cttatcattt ctaaagcatc 180
cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
atggtttaat agaggggnat gtgnntagct ggaacccaaa ctcttggtgn nttggtgtga 300
cccttgnttt acacaatggt ngctctatggt ggattggtn cacngaggnt tnnngtntna 360
tnagntttna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
agtaangnng gnttanaann ggcantnttg tgacnggaga gngtgtnntt gngggggagg 480
gnntntgnat ttttnggna taaa 504

<210> 2691
<211> 502
<212> DNA
<213> Homo sapiens

<220>
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2069

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<220>
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2070

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<222> (451)
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<222> (454)
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<222> (457)
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<220>
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<220>
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<222> (470)
<223> n equals a,t,g, or c

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<222> (486)
<223> n equals a,t,g, or c

<220>
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<222> (487)
<223> n equals a,t,g, or c

<400> 2691
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tagagagaag cttgcacacc atcataagat aaaaacagg cctctggctc caccgtctca 120
ttgaagtga tgctgtttat cctccccact aatctgcact cctcacatgg gatcacagcc 180
cagacaacat ggcagacaga gaggcagatg cagagctgca ctgactcagt gggaccagct 240
ggggtnngtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300
ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatgtt 360
atagttggan tanttnatta cattattttg gggtgnccan tttttttaaa aaacagttan 420
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2071

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gggcttttta ccttcagggt tttttttaat gtgattatct tcaactctctg gatatccaat 180
tttgttcctt ttaagataag agacagaagg cacatacagt tggatttggt gatgacattt 240
tggttgacaa cattttcttca tgaatgtttt tnggcattgg gtgattaggn tcctacagaa 300
caatattttt canatgggna cacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
atacgnannn ncaattatgg gttttgtaca ttttnagggt nccctngnng gggccatttg 420
aataatnnan gggttatatn ttggggcntg gnctnggggg agncttncgg tngcggacgg 480
nggccaancc nttttcgggn tt 502
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gttccttttg caatagactc tggcctaata agtggcaaga cagctttatg caacttctta 180
tatctttctca gagtgcagtc tgggtggggaa agactgaggg acccaggatt ctcatgggtgt 240
ttcatagggt ctgactgggt gatgtccccg tnttatgaaa ccaattgttg tgggttgcaa 300
aaatgtgggc agnttccctt ggattcacan ggattttcaa nntgttagga ngcaagtggg 360
tngcaacatn gaaggnnccct tgggggnccc agagttnngg aagggngnga ntttcccaaa 420
ggaaantttg ggggttntnt gccnaggggg nggnatttnt ggggnnggga anaannangg 480
gaaccttttt ttttttgg 498

2078

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atcccagatc agagtctaac tttttgcatt agctcctctg actgggnatt gaccaacttt 180
gtgaaataaaa agcctgcccg ctgctgcctc tgagactcag ttattagtag ccatggaagg 240
gcttttaggca ggnnagctct tcagggaact cagnggagag tcggtgggna tcatggntga 300
tggcattcag tgggncagnt agcccaggca caggggtgtt aaantacaaa catttnntca 360
cccatatgng ggaggttaaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
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atcagtccat gatgagaact ttttctagac cctcttctgg gctagaattt ggttttcagt 180
gatagagaca ttctaagaat ttgtggagct agaattaagn aagnngttta tattgggctt 240
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gcatcatgtt tgcaactgtc ctgttgaacc aaagcaaaag tttcatgaac cagcctaggt 180
tccaggggtt ggaagaataa acacctgttn aaatgggggg aagctgncat tgttatgttg 240
gcgtgggtgt gagtggcacg                                     260
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taggggggagc taagaggggt tncagcccaa ggtgtactta acccagcacc tagagaaacg 180
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caggaacatg gccaacgnc gtaaccacaa ggaatgggga ccacagggag gaggttggag 180
taatgatgag cttaccacat tgatcattcc atcaaagtgg gtacatattt accaggnagg 240

2088

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tggacttttta ctgctatttg caagnatggt gaagnttgnt gtgggggtgtt tcantggaaa 300
gtgcccagga gagancagtt agtatgtgga ccctgttnnt ttgggggnc ttngnggntg 360
ggggagngca cttganccan tntttgggta aggcntaatt ncaagngtng gggntttant 420
gtnttntaag gntttgtntc tactnttttt nggnatacag ggtttnatng aannnnnggtt 480
atgnttcaat ncnnttttna ag 502
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<210> 2700

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<212> DNA

<213> Homo sapiens

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nagccgagtg cttgtnatgn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420
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gaaactaact gaagtttttt cttttccatt gcctaagact ttgttttgga cttatatagt 360
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cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctccttttag 240
acaattccat actggaaaat aatttcccca catattccat tnaggcaagt aagggtggnc 300
aatnccctana taaacttagg ggggggtttcg gtggtntngg tttttttacc cttncggggg 360
nntttttttt ccnnttttta tntcgggnntt tgcttttggg ggaatttgcc ccnggggggn 420
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agcttaagag atgaagggtg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180
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tttcatcttt tagttgattg ccttttcatg tataatnagga agttattcaa attccacgta 240
tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaga 300
gaaaatgact aaagttantc taattagagg aatggggaag tggtnnttgg gnacaattaa 360
tccnnngctt tnttgathtt ataggggaag ggtcatnagg tntccnggaa nccngtacng 420
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cctcatttct ctcagaactt tgggtgtaac agcctgnttn cctccttttag gggatgactt 180
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ntttntngnn tnntttttgg gggatttttt gggcccttnn ttttggnttt ncccccttn 420
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tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaatttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcctgattt tngtaaaagt 360
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 naggagacac tctgcagaag aatgtntgtn ttccagaaaaa gggagtaggt cctctggtgg 240
 cagctgctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
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 ncccntggga accc 374

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tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
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<223> n equals a,t,g, or c

<400> 2721
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acttcatctt ttgctcaaga ntttaccacc cctcatagcc aaccaggctc agctctgtna 120
acagtgtcac ctgccagcac cacagtgcc ggccttagtg aggaatctac caccttctac 180
agcagcccag gctcaactga aaccacagcg tttntncaca gcaaaccttc agcctatccc 240
agagaaaacg gcacagggaa cagtatgatg tgcctcaaga gtgancgaaa ggaaggcacc 300
cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360
ttcgggnctt g 371

<210> 2722
<211> 472

2147

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
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<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
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<220>
<221> misc feature
<222> (123)

2148

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

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<222> (207)

<223> n equals a,t,g, or c

<220>

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<222> (298)

<223> n equals a,t,g, or c

<220>

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<222> (315)

<223> n equals a,t,g, or c

<220>

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<222> (354)

<223> n equals a,t,g, or c

<220>

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<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2722

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catttnatc ctccaacaac attttnatn ggtccctgct gtggaanata gtaatgtaaa 120
attnactna ccccatcac acattgcaag cagcaactcac ttctttggaa agctgagctc 180

2149

tgcatgcaac atgctgcca aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga gggggtcaca caattttnaa 300
ctatttactg ctgtnaaccc cattttttaa agtgtagtct gtgaagccat ctgnaatcaa 360
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcagggtcca 420
gattaggcat tttgaacaaa ctcagggtca taaagnttga aaagtttttg gg 472

<210> 2723

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 2723

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gcatgataac tattggacgc aaaatctgtg ttcacaaaga ccatccaaat gctttttaaac 120
tatcaaattt cttttcctac atttggttaag ggtgtggcat tgatacccta ctgggattat 180
aaattggttaa tggttttttg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

2150

ttcattcacc ttggcctag taatttcatt tctgagcatc tcttctatgg gaactattcc 300
taaataattgg gaaaagcttt tatatatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc ccagttgtc ttaccagggg ggggnttttt taaatt 416

<210> 2724

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2151

<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2724
ggcacanctg atatcagtag ggcattgcact ttttattgaa accggaatct tttnttatta 60
tcaagagagc agtaaatgaa tttaaagcaan ccatgctttc acattaagca cttgggagact 120
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240
ctntctctct ttttaaactg agttnaccag aaaggntgaa ataccaaaaga aggntaaatt 300
aanatggcat tgctggggaa a 321

<210> 2725
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

2152

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2725
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tagataaaaaa cttgggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganttgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaa ctaatttcct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggtccttc 300
taantccttt ccagtgcac tncagaatctt ctcttttntct tttggc 346

<210> 2726
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
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<222> (240)

2153

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 2726

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ctcttatgtg ggatctgttt ccagtttagat gccattatth tccttttcct tggtttactc 120
ttccacatat tggtaaagct cttccaatag ctttttgnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttatth tacccttata cctgattgcn 240
gttttggttg gcaagggtata gggattctth agtggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtggt ctgttgctgt gggagtctga aaaatctgtc ctttctgggn 360
ttccaggtgt gactactgga aattggaagg ccattctgtt cctnccccct ttggcaaaaa 420
aanccntttt taaaccc                                     437
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<210> 2727

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

2154

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
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<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

2155

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

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tccaaccatt gctcctgagt agtgctgtgt agtgtgggttc acatacccat ctaggaagtc 120
tcatgaaggc agcggcctttt ggatattaaa gaatgtaaca gagttttaga gagtgccaaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaagc catttgtggt tactgccatg tntgtnccca aattcttccc gtttagtttt 300
naaaagnncc aaggaatnat ctttgggttt aggttaggct ttgngtncta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccctttgt 420
tntcccaggn tttacacggn atttgggggg ggggtaaagc ccccttgga caaaat 476

<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>

2156

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2157

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

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<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<400> 2728

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tgggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatgtt aggggtataa 120
caatttgtga ntatgaaagc tcgcattaat ctccagtggt gtccatctaa gtaaattttt 180
gtgggttgcatt ttntgcttgg gctgcaaaat aaagctgatt ttnattttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttta gaaacaacca 300
accatttnga cncatgtaac tttncctttgc ctccccagc tttttgggtc tttggcaacc 360
cttgtgggnc atgtgggcct tgat 384
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<210> 2729

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

2158

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2729
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aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtntcg cactcaggaa 120
gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
tgtgncttga cattgtggac ttctaaacat tatttntccg tgnagcgaat cttttcaagc 300
ctggtaaggg gacttnacag cttgtn 326

<210> 2730
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2159

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)

2160

<223> n equals a,t,g, or c

<400> 2730

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ggcacgagca gttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatac cttcctctct nattttcaca gtagagtgca 120
gttacatcac actttctggt taagttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgtaattata ttnccttttt nggtccaatt 240
ttnggcttga gttttttgga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngatattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385
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<210> 2731

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

2161

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

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caggaagtcc cagaaatatt tattcttgtn actctcacia aatggaaaag ggtctcaatt 120
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agccccctc cagttacgct agaactctgc tttatcttca aggaagaaaag 240
ggagtnggga gaagttacct ctnaaacctt ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacggtttt ggggggggttg 360
aaaaggaaat nttttgcctn aantggnctt ttaacttcac gggngtgacc cattcaa 417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2162

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 2732

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ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaagtatga caancagtat tcatgaacat ttggtttata caagatttac ctttataactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa ttttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttggttcag tgcttataaa 240
agcaaaaagaa taatttgtca ttcatttttt aaantagtgt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tgggttaccc cncctctgctg ggn 343
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<210> 2733

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 2733

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ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaattt 60
tncctcactc gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atztatgggt gatggagaca ggtgagcagc aatgggaactg tcaaggggga ggatttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatgggggtat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggtagtngg 480
ctttttnttt ccaaag 496
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2163

<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
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<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (28)
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<220>
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<222> (269)
<223> n equals a,t,g, or c

<220>
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<222> (307)
<223> n equals a,t,g, or c

<220>
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<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2734
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aagtgtcttc aggcctatgc aacagcctgg tgggatctca cagtgggata ctctcaaga 120
cctcatttgc cctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtgggtc ggactgcctc 240

2164

ttgtggaaga ccctgcccag agcccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattggntcc catgnaaact ttggngccc cnattggtta agatttt 347

<210> 2735

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

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<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

2165

<223> n equals a,t,g, or c

<400> 2735

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actgaagctt ggggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
agggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaattcta tgggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccagggtg tgtttggctg cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gttnctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t 501
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<210> 2736

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 2736

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ggcagagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaaaa 60
aaaannnttt tnaaa 75
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<210> 2737

<211> 86

<212> DNA

<213> Homo sapiens

2166

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tncctgggt tttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat 86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

2167

<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2738
agaggggncg catccatggg taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

2168

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
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atagacctca gacaagtaat ttactcctg taagcctgaa tttntttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacagggtg caaggtaaca tgaaattact gcaactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctatatt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttctttctcaa gctcatacag aacatttcac cagggtngnc cacattctgg 360
gncctagggt acaccttaac caatttttaa ccggttaaaa gcttncaaag tttgttctca 420
gncncatgn tatttaacct aaaattcacc accnggaggt taccgccgtt 470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

2169

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2740
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tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaagggggtt 120
tttgtataac taaaacctca gcgcataaag gagatttaaa aggagcacat gatttagtgg 180
gtgggccatg aaactagaga tgggatttgg ggggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gcctttggta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacggttta ctgtantgtc ttatcancct ttcaag 396

<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2170

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2741

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aacatacgcgt gtagttttgg tatagtttag gcttactgag ccactttnat nagtcctggg 60
aattgatggg aacactccta aaatcttaaa tntcaaaca cctgagaaac aagggccaac 120
cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
ctatatataa tagaaagtga atgatgttga aagtccatta agatttatcc ttgtnttgaa 240
acctccatat ctagaagtgg aaacatgaca ggggnatttt gacgtaataa aagggaaaac 300
tattgaggtg atactgatac ggntatatat tgcattctgng gnaacagggg gngttttccg 360
ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406
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<210> 2742

<211> 85

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

2171

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2742
ttcccagttcc accgtcccca tcgtgggcat tngtnctggc ctggctgtcc tagcagttgt 60
ggtgatcgga gctgtggtcg ntggc 85

<210> 2743
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2743

2172

ggcagancgg gcacgagcnt ggggggtaccc agcaaggagg ccacgggtgcc tgacctcaag 60
cncaaancntn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120
ggagattgng gccct 135

<210> 2744

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 2744

ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc 75

<210> 2745

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

2173

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<400> 2745

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gggttggttg tncatgtttn tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac cccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggt ttcctctaata tagaan 226
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<210> 2746

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

2174

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<400> 2746

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ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataaccta agagaaagag atcacctgc acggaatgag ttgacctaa 240
aggagtgaag gagataaaca aagggatctt tgttcctgna tttccctgga agggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc 363

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<210> 2747

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

2175

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 2747
cctgtcctaa tgnnttttaa ggtaggggat caaaancctg ggcttaatgt ataa 54

<210> 2748
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)

2176

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<400> 2748

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aatttncctt ttaaaagcct gtggaganct agaggngaaa anctttaaaa ggtgatgctg 60
gggcagtaag tgggggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggnac aaagggcanc aanggggt 157
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<210> 2749

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

2177

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2749
ggcacgagca agagtgagtt ttaggtactt tacctaactt tcagagattg gagcattagt 60
ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gngggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaagtng gantttgaga atgtcacatc aaattttgtg 240
tantaaatac attggttcat atttaacca ttacataggt tgatttttag ggngctatgg 300
attgnaccat ttgaaatttt natnanggaa aaccatgggc cgga 344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2178

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 2750

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ggcanagcgg cagcagcnac aacacctctt tcataaagag acttgtgtat tcagcaaaat 60
aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancctgcg aactttaagg 120
gctggatatg ggagggaaaa gaagaataan cataaaaatg aatcctacag taaaaacaca 180
ggacccaaaa aatcttttta tttaaaaaaa ttaaaatggt tgtcccatta taagtttctg 240
ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
naaaatgggg ggggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttgga 360
atggggngn ttggaagggn aa 382
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<210> 2751

<211> 235

<212> DNA

<213> Homo sapiens

2179

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

2180

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 2751
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaacct 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttggtt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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tntccaagca ggcttcattt atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctgggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atgggtttttt attaaacact ccctttgggt aaatggccng 300
t 301

<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens

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2182

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<400> 2753

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tgggacaccc ctccaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggagnggg ncacaggcan gctnattgta 240
aaaacctttt tatttttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292
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<211> 121

<212> DNA

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2183

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a 121

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2184

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<222> (88)

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<222> (96)

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gggggantcc tggggtttna aaagggtntg gggccnt 97

<210> 2756

<211> 195

<212> DNA

<213> Homo sapiens

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tncctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttcn gcaca 195

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<211> 52
<212> DNA
<213> Homo sapiens

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2186

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<210> 2758
<211> 70
<212> DNA
<213> Homo sapiens

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<220>
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atcgtnana 70

<210> 2759
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<212> DNA
<213> Homo sapiens

2187

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<222> (329)
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accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaattttgaa gtccgagcac 180
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240
cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300
aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttggtgct ccaaccaaac 360
agggggnaaa ccagggaat ngggcacagn aa 392

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<212> DNA
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<220>

2188

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2189

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<220>
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2190

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<222> (273)

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<222> (305)

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tggttggtttc catatattgt ntgttttncct atttccaaan tagcctnnct tgggtactaca 120
tggtaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
tttttncct                                     307
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<210> 2761

<211> 405

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (340)

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<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

2191

<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
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<222> (397)
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gatattttgc agattttctaa atgcatttta ttgcatttag aagggaattt tgtagtattg 120
agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggg ttctgaaagc 240
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
atatctgttt acttttagagg aggcagtttt tgagaaaggn tcctaaatat ccngggccca 360
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405

<210> 2762
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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2192

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<220>

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<222> (324)

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<222> (338)

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<220>

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<222> (352)

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<220>

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<222> (405)

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<220>

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<222> (413)

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2193

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<220>
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aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
ttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ctttcaaaac cataaaatat gtgccagn gn cacacatngg 300
cttcaaatta aggggttgan ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaacc accangttcc aanggggncca 420
gncctttcct tatggttaag ggggttcctt ttaaccagg ggggttactt ttccncgg 478

<210> 2763
<211> 443
<212> DNA
<213> Homo sapiens

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<220>
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<222> (130)
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<220>
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<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
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2194

<220>
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<222> (353)
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<220>
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<220>
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<222> (403)
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<220>
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<222> (441)
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ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
taaaatagtn aattttaataa tgtctgggtg aaacctctta aaaaaaacac tttgcagcac 180
atctctggta gccctgtgct tgngaagac ttttaggctg ccagttcaga agatggaaga 240
tattaaactg tgttgatgga gttgggtttt ccagtgggac cctgttaggt tcctttttta 300
aaaaaataat aattttttat aatgggtatg tcttcgtgag nccctcacia ccntgagggt 360
tttacttggt tgggcnganc aagggacatg aacgttttaa agnccgttcc actaacattt 420
acgggagggg gcttaaaggg ngc 443

<210> 2764
<211> 51
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (46)
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<220>

2195

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2764

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51

<210> 2765

<211> 117

<212> DNA

<213> Homo sapiens

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<222> (104)

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<221> misc feature

<222> (116)

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agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

2196

<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
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<222> (247)
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<220>
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<220>
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<222> (393)
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tttaacatct tgcttgaatg acttccccag gccagccag tctcccgccct ccagctccgc 120
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180
cttttactgc tttgcttcaa gccctttngt ggctcctatt tccagctgga tgagggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgттаatttg accagccaag 300

2197

ttttcttaca tagcggttggtgt gtcttttgggtt tccttcctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tggtgcaaaa ttncta 396

<210> 2767

<211> 409

<212> DNA

<213> Homo sapiens

<220>

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<222> (8)

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<222> (363)

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<222> (384)

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<222> (400)

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<222> (402)

<223> n equals a,t,g, or c

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tagtgagcta aatctcaagt tccaagggtta tgctataagt aagagaaaaa gcactttatc 120

2198

aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180
gagtgttttaa catttgatga gtgaaagaga aacaggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaattt gnccggtga 409

<210> 2768

<211> 417

<212> DNA

<213> Homo sapiens

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<222> (401)

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<222> (417)

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2199

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ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120
ggatttttnt aataaccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180
tgatctggaa tctcttatag tttgtttgtg cctgtatgtg ggaagtctct ggatgacctt 240
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn 417

<210> 2769

<211> 292

<212> DNA

<213> Homo sapiens

<220>

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<222> (285)

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<400> 2769

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2200

tgaaatctct tcattttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120
caaacaaaac atatctgtga attaaatgtt gaagtcattc atttgaaacc tctgcttggc 180
ntgtttttct ccaactgagtt tagccagctg agcaggggttg gcacatacca taagggtnng 240
aaaaggggttg ttccaagagg tccngttggn gttgggggtcc ngccntaggc tt 292

<210> 2770

<211> 261

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (52)

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<222> (131)

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<220>

2201

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aagttggcta agggctggtg tatttggcag ggctctatac ttatacattg tcactttttt 120
ttttttgggg ncagnnnaag ccccatntn ttntangaaa aaaagccagg aaggaaagga 180
aangaaaang aaantttttt cccacatctg gctctgttaa gctgngagag attggggcccc 240
cccgtttttt tcccanagcc t 261

<210> 2771
<211> 362
<212> DNA
<213> Homo sapiens

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2202

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2203

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<220>
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<400> 2771
cagtnngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60

2204

taggccatca	ttnccttagg	nncaatnggc	cntttcattg	aagcagtttt	aaaaacaagaa	120
ggatgagtac	gtatacatTT	tataaaatcc	attctgctaa	cagtgtacaa	aacaaagnga	180
cctcagatta	gatgcagggg	gtcccattaa	atggctattg	gtgtaaccca	gggcaaaaaa	240
ttgtggtagt	ttggancaga	attatgggca	gtagatttgg	agagactggn	ntagagttgg	300
ggaggaccag	aaagtaaaat	ggncagnaat	atctttaaat	ttactgnaaa	tttacttggg	360
tt						362

<210> 2772

<211> 374

<212> DNA

<213> Homo sapiens

<220>

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<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

 $\langle 222 \rangle$ (307)

<223> n equals a,t,g, or c

$\langle 220 \rangle$

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (341)$

<223> n equals a,t,g, or c

 $\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

 $\langle 222 \rangle \quad (370)$

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gactcccttg	ttgtgagccc	agatctacca	ttgcaattct	ctgattatag	tttggattcc	120
taggctctct	atggaagaaa	aatggctctt	ggtgattgtg	tacttcacta	taaattgtga	180
agttaagtgt	tacggtttat	acatcagtn	ctgttacatt	gattaatgtg	agtctactac	240
tacagatgca	ttgcattgga	aaagccaggg	gatctggaat	ccataggaca	gggagccaaa	300
atatagnnca	ggttatattt	gtgcaaggta	atggccattg	ntatggttcn	tcttagattt	360
gtttttgcan	tcct					374

2205

<210> 2773
<211> 121
<212> DNA
<213> Homo sapiens

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<220>
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<222> (41)
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<220>
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<222> (49)
<223> n equals a,t,g, or c

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<222> (60)
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<220>
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<222> (121)
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<400> 2773
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gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120
n 121

<210> 2774
<211> 348
<212> DNA
<213> Homo sapiens

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<220>

2206

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<220>
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2207

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<220>
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<220>
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<220>
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<222> (336)
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agcanattta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180
atagtgaagc cacctgggct gttttnaaaa ccattcacia acaatatgga atgtttgtgt 240
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgc tttgggttccc 300
cgtgaaagca ggctcagngg aaggaattnt actttncaga agtttatt 348

<210> 2775
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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2208

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<222> (347)
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<222> (392)
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<220>
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<222> (403)
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<222> (427)
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<222> (449)
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cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgcacca agaaagaagg 120
ctgttgagaa gaggggaatt gtcgcagatt ttattgtcct tttacttaac agatatcttc 180
tctccatatt tncctccaa tttaaataac atttattgga cacttcttac aaggttcact 240
tagactaacg tttttttaa accgagggag aaaaatgtgt tccatgctca agcgtaggag 300
ttggtagggn ttgtttttaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360
tacaccggtg gtacttgggc atcattttaa gngacctttt ttnatgaggg cttttgaggg 420
aattttnatg tgaaagggcc cattttttnc cccaggg 458

<210> 2776
<211> 162
<212> DNA
<213> Homo sapiens

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2209

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<222> (47)

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<222> (120)

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<400> 2776

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gccactttta gccatgtaaa cttangatta agttcacaag tncaactttt gntttttaccn 120
gtccagtatc tctttaggac acaaagcagt gntggagtta at 162
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<210> 2777

<211> 333

<212> DNA

<213> Homo sapiens

<220>

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2210

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2211

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<220>

<221> misc feature

<222> (316)

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<400> 2777

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tgcngncagc tactggcata gctcttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan tttanctgtt ttgtatccac ctttcttaaa cctcngggn 300
tttttaactt ttttanggt ttagttcccc ggg 333
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<210> 2778

<211> 251

<212> DNA

<213> Homo sapiens

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<222> (41)

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<222> (125)

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<220>

2212

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<220>
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<220>
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<222> (202)
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<220>
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<222> (222)
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<220>
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gtgtgtaaga nttaaagaaa gaggaagaaa acacaatggc ttgatggtcg aggacagggt 120
tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcattggc 180
tcttacagac taagagtttt tnaaggattc aggggtgggag antttatcag aggcattggac 240
ctgnttctnt g 251

<210> 2779
<211> 63
<212> DNA
<213> Homo sapiens

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<220>
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<222> (57)
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2213

<220>
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<222> (60)
<223> n equals a,t,g, or c

<400> 2779
tagaagcccg aaaggngcct ttaaaaagcc tttttaaatc cacagggcaa gaaggggncn 60
taa 63

<210> 2780
<211> 495
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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2214

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<222> (466)

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<222> (486)

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<222> (492)

<223> n equals a,t,g, or c

<400> 2780

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acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atcttttagct atttnntctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtn aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagt 420
tgaagcagct tacatgatca ggttattaat tggggagtcc ancatnattg tccaataggg 480
aaaagncatc gnaaa 495

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<210> 2781

<211> 114

<212> DNA

<213> Homo sapiens

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<222> (26)

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<220>

<221> misc feature

2215

<222> (69)

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<222> (92)

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<400> 2781

agggtgcaaa ggccccgagg aagganttgc ttgatttttt caaacaatag ccaggaggcc 60
agggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cgagg 114

<210> 2782

<211> 398

<212> DNA

<213> Homo sapiens

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<222> (30)

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<222> (49)

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<222> (68)

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2216

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2217

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<220>

2218

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<220>
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<222> (398)
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gaggagtngg ggggctgctc cacccccagc caagggctct ntcgnnncca agnaggccga 120
ggntggggnt gcnacggcag ggcccagccg ggaacagctc aagggtgacc tggatgattt 180
ggtggccgct nagtgtttgt actgtgggga gctnatgac cgctctatcg accggccggt 240
nategacccc aagcgntacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300
ttttaatggg gggtgggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360
ctaagttctt actcaataaa cttgcaantt nncacacn 398

<210> 2783
<211> 112
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
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<220>
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<222> (47)
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<220>
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<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
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<400> 2783
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tggccgctgt ttacaacgt cntgactggg aaaaccagg ggctgcctna ca 112

2219

<210> 2784
<211> 438
<212> DNA
<213> Homo sapiens

<220>
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<222> (224)
<223> n equals a,t,g, or c

<220>
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2220

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<220>
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<222> (245)
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (272)
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<220>
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<220>

2221

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<220>
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<220>
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<222> (337)
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<220>
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<222> (344)
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<220>
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<222> (355)
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<220>
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<222> (360)
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<220>
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<220>
<221> misc feature

2222

<222> (406)

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<400> 2784

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cctccaaatc ttaaaaaggt ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaacaaaa gcaagcaagc ngggaaagcc cgaantccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccnggggtc attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttcnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttncccn 360
ccctttcncc cccctgggaa atctttggtt taaaatttaa tttggncttt tgggggggggt 420
ttggggggaa aaaatttt 438
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<210> 2785

<211> 72

<212> DNA

<213> Homo sapiens

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<220>

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<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2785

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gcggcncgag cggcacnagg gggggcccgg tacccanttc gccctataat gantcgtatt 60
acaattcact gg 72
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<210> 2786

<211> 417

<212> DNA

<213> Homo sapiens

<220>

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<222> (35)

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2223

<220>
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<222> (231)
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<220>
<221> misc feature
<222> (254)
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<222> (270)
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<220>
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<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
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<222> (363)
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<220>
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<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
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<400> 2786
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tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120
tgtcccattg gttaacatct ggggtgggtct attacttact gtgatgactg ctgtctcagt 180
gggcatgggtg ttgatccacg ggggttactgt gataaccacc atggatacat nttggtggcc 240
cactgggtac tgtnaggact ggctacattn aatggatggt attggctaata cactgcatg 300
gtttgatggc caccatctcc gttggggcct ttgggttttn atgggtgaat agcatttcan 360
ttnacatctt ccttttggcc ccccccaat aaggtngctg ttgccactt ccntttt 417

<210> 2787

2224

<211> 508
<212> DNA
<213> Homo sapiens

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<222> (82)
<223> n equals a,t,g, or c

<220>
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<222> (147)
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<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
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<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2225

<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
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<400> 2787
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agggatactg atgggtgtga anactgtttc aaatgattgg atctttggaa agcttcagcg 120
tgccttagtt tctaggatca gaattanttt tcctctcact tgggccttgc agctaaatgg 180
agaaatgttt caatttcctt gaatacttgg cacatttcaa taantccttt cccgagttat 240
aaccactcna ggggggagca aatttgggat gggatttacg actttcacan ggcattgtga 300
gggaaaganc atttttccca aaggcntggt ttttgaatta cccctnnggg gtgaatanaa 360
caattgnaac ccctccccac actttacett ttgaacaatt ttcacaattg cacctgggta 420
cttcataat ttccccctc ccaaaattcc gtttccntat ccnggnttnc nggccccatc 480
cccgggggaa atcctaaagg aaaaataa 508

<210> 2788
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2226

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2788

gcggcnn gat gtgaactgcc tcaagagtgg gtgggctgaa gatctnggat ctnttcacgc 60
tatttggaac acngacnadc ctanccttgc cntagttgga ctatctttat nctttcatac 120
ctccccccgc cctcttggca cttcggcaaa actg 154

<210> 2789

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

2227

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

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<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

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<400> 2789

tcgatttccc tccacnagtg ggaganatnn cgggagctcc acagaggtgg ngcgttcgnt 60
ctagnactag ggacatcccc ngggtgtgac gcgaatatc 99

<210> 2790

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

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2228

<220>
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<222> (112)
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<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
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<400> 2790
gcggcagcag ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 60
caattcactg gccgtcggtt tacaacgtcg tgactgggaa acccaaaagn nngngn 116

<210> 2791
<211> 117
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
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<220>
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<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2229

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 2791

gcggcacnat ggcacgacgg ggggcccggg acccaattcg ccctanagtg antcgtatta 60
caattcactg gccgtcgttn tacaacgtcg tgactgggat naccanttc ttccctc 117

<210> 2792

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

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<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

2230

<400> 2792

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taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg tttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaataa atttttctat agaattgtac tttgcctcca ttttacttca ctttccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaata cccttggnca 300
naactgcttt taccctgaa aaaactttca aggtntcctt ccccttttat ncctgggaat 360
tccctgaaaa tttccctnat aatcctgccc ttggatgggt ttttctttt tncntgcc 418
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<210> 2793

<211> 217

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

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<220>

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<222> (94)

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<220>

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<222> (104)

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<220>

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<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

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<220>

2231

<221> misc feature
<222> (162)
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<220>
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<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2793
gtcagctntt tattgaattc ttaatatatg ctaggcatgg tgcttcnttg cttctactac 60
atcttctngt ttgatcctta tagcaacctt gtangaaatt tggntgccan agattttaag 120
tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180
tctggangaa aaccntaac ttggattctg aatatchn 217

<210> 2794
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
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<220>

2232

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2794

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gggaaagcta atgcttctga aaaattgggt gtggtgaagag aattcatttt ctttcattgt 60
cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttaggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgatc tatnattgtn aacctgtaca tncaattnac 240
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<210> 2795

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

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<220>

<221> misc feature

<222> (436)

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<400> 2795

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gtagcactgg aattagaggt taaaacatcc ttgggacgtg tgggactctg tcttctgtgt 120
ttctcaagcc tgcttgggtt ccctttgctt cattctcagt ggtgaatact tgttctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctccttcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttggtggga ctggatttgg actgttttat 300
```

2233

atgtgtgtct gctcttgac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360
gtctgtnttc cattttccat gaanccccc tnnngaata atttattttt tacaaattcn 420
caaattccct ggctcna 437

<210> 2796

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 2796

gcttgctcc aaaaactgga acctctgaac ttcagcagtt gttcctatca gtagggttat 60

2234

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tgtgagacct aaaatgtaat tgaagttttt gcatgtgacc ctgcccttaa ttcagttgct 120
ttaaaaacgt ttgaacatag tagaaaatgt aacagtgttg ctcttagtgt ttctcatata 180
tagggaataa aagaagangt tttataatag cacttgtctc acaagattta tgagcgattt 240
gaattttaca gatctattcc taagcaaaag accttaagtc tttttttttt tncittaaaa 300
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360
caaataatgg gttgggttna accctaaatt acncaattct ccctnctgaa ttggt      415
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<210> 2797

<211> 449

<212> DNA

<213> Homo sapiens

<220>

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ggccaaccca agggccnaan annaanaagg naaaaaaaaac ctttgggttc ccaaattccc 180
anngnaaagg atttggnaaa aaccaanaaa aggncccaan agccgccttt aaccaacgg 240
naaaaatttg gggggggaag caaaagacaa tttntttct tgggccaaaa attccnccaa 300
ttccttggn accaaaaaaa ggnggggctt aaaattnatt tccttaagga accttcctta 360
ccaaanaggn aaatttttaa anaaccacat attttttacc anagnaaaa aaaaaanacc 420
angccccttg gtncanaaaa aagttgngg 449
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<211> 447

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caactcaaca accaaanact aancttaatn acgtaggcat tcttcagaac gntccagng 180
naaaattagn aaaaccggtc ctgaaactta ttccntggcc cggccnatca atccctnagn 240
tccttgcaaa cgaccctcc nccatcgccc tnaacgacna tccctttntt accattagac 300

2242

aaggacggga aggggtccaaa acggannccc cttcccccttt tacccaatnn aagattcaga 360
tntggggggcc acccaaattg gggtancttg gaaannctta ccggaagggt acaccggaac 420
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ttggnnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180
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gaccgcggggc tcacccagtg ttagaaatct cegtctctgc tacccttggt gccttggtgc 180
tgtttttctg acggtcattt agaccgtgga ggggttagatg ttctctacaa aaacgagaaa 240
cctctctggt tttttaggat tgtaggaccg aaattatatt atggctcggt ggggaagtagt 300
atttcttggc taatttatta ttagctttta accttcaccc acttnacct ttaaaccctg 360
catgcctctg ctattgactg gtcttgccaa cgaaaagctt acgcattgca natakagtat 420
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<211> 448

<212> DNA

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attcccaang naaattggna acccanaagg naaaaaaaag ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaaggg tttatannag agcccaaaaan aaccanaat ttaaccctt 240
gggaaaaantt ggccttcctt ggggttaagnc cccttaaaaa acttcccca aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat tttttccact tgggtgtcca 420
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aaaaagcatt gnaaanaaaa attttattaa ancccanag ggccaattaa aattaattan 180
ggccacaagg ggaacttnaa accccccct taattaacct cttttccttg gcnanttana 240
attggaaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anagggggaa 300
gaaagacccc aaaaaggcct ttaaagngaa ccccccccg gaaaaaaccc caggaaccgn 360
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2255

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tccttccgng gggcccccgc naagcnaaaa aggnaacccc ttnccccctt nttnttgtct 120
tccccccacg gggggccttt ttntttaaag aagggnntna aattaccnaa accccccaaa 180
ccctttgaan naanaaggaa tttccccttc ccccceaang nggggggggg gcccaanccc 240
ccaaattttt tggnnaaaaa aaanttcccc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggaat tnccaacaag gcaacnttg ggggaaagg n aaccacaaaa 360
agcttggggg ggaanacccc aaggccggaa aangcccaaa cccggccttt ggcctttgga 420
aaccaattgg gccttcctaa ccaatncatc ccc 453
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<210> 2806

<211> 139

<212> DNA

<213> Homo sapiens

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2256

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ctatcatatt tncaacttgg gtcccgggtnc gatnttttca ccaaaccgct ccggttgtaa 120
cttgggggga aaanacccc 139

<210> 2807
<211> 113
<212> DNA
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ggaaattaag gntttttaat tttaaccaa ttcccgggtt ccccttcccn ttg 113

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aactaactgg atcccccgga ctgcnggaan actgcacgag gnagctgagt ggtatgtgtg 120
gtcgnctgtc cgcgnaaaac c 141

<210> 2809
<211> 75
<212> DNA
<213> Homo sapiens

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<220>
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<220>

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<210> 2810

<211> 450

<212> DNA

<213> Homo sapiens

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2260

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cccctctgta acanaatnaa tttcctggat ncatccatt atccccntta nagnaaccac 120
cgngaattttt cctgnggggg gccagnggn aagagttaaa gnatgtctaa tcctggaaca 180
aaagnctttt ccctgggggtg gttcaaacc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg ggttcttatt aggaaattgn agccttcctt ttgntcntgg 300
aacgnctcct tgtttgcca tccccctttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tgggtgggaaa aggatgggga ggnaacagna tggacatctt 420
ccaagttcaa gcttcgttaa tataacctga 450

<210> 2811
<211> 438
<212> DNA
<213> Homo sapiens

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<220>
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2261

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2263

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2264

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ccaaaaaggg ttttaaccct anggnaaatt tggnccttt cccnttnttn tttggggaaa 180
ccntttnttt aaatttnggn aaatttnggn gggggggggg gttttttnaa atttgggntt 240
ttcccccccc caaanggntt ttaaanaaga aaaccccccc cccaaanttt tttnngggggg 300
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaatt 360
taaaaccccc ccccccttt gggaaaacct ttggggggga aacccaaacc cccaaacca 420
aagggccctt ttttaaag 438

<210> 2812
<211> 370
<212> DNA
<213> Homo sapiens

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<220>
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<220>

2265

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<220>
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ctttgaagan cacataccaa gaacatcaag agaactcnat atnaattcaa tataaaaagct 120
acnattcaag gccattatc tcttttgagt tagaaaagcc caatggagag cactcacgc 180
aatcaatac ctttcccttc tctcagttgg gagccagaca tctctaacta tcctctgaat 240
taaactggat ttttnaaatg tttttctgtc cctnaactct ttggatcctg aagtcacct 300
ttctttgttc catcaatctn gctccataat accattactc caacttgntt gaacanttat 360

2266

tgggcatatg

370

<210> 2813

<211> 54

<212> DNA

<213> Homo sapiens

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<220>

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<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2813

ggttttttttt ttttttttttg natttgaaaa atgcaatatt ttccccngnt ttnt

54

<210> 2814

<211> 99

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

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<222> (36)

<223> n equals a,t,g, or c

<220>

2267

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

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<222> (96)

<223> n equals a,t,g, or c

<400> 2814

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cgttctagaa ctagtgatc ccccgggctg cagganttc 99

<210> 2815

<211> 545

<212> DNA

<213> Homo sapiens

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<222> (320)

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<222> (331)

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<220>

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<222> (419)

2268

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<221> misc feature

<222> (438)

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<220>

<221> misc feature

<222> (452)

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<222> (476)

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<222> (504)

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<222> (518)

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<221> misc feature

<222> (538)

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<400> 2815

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acagaaggta gccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttggag aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaatagggtt agtggctaag taaaagggtgt 240
gtggagcaac cacaaaatga ttcagggtta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaatcnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcctttcctg ctttttgtgt tttaagatnt 420
ctccccgttc caatgttntt ggccctgggca cnggaattat acncctacaa ttacanctga 480
aaaattcttg ttatcactca tggnccttgac atgcaaance tccttttcac atattgantg 540
ctaatt                                         545

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<210> 2816

<211> 118

2269

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

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<222> (44)

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<222> (104)

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<222> (112)

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<222> (114)

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ggccgttcta gaactagtgg atcccccgga ctgcaggaat tcgnacagag tntnatcc 118

<210> 2817

<211> 351

<212> DNA

<213> Homo sapiens

2270

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2817

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tgagctatatt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaatgtttt gagacagcag catctttgga gtaagtgcc agcctccaga ggaaccctgg 180
taaagggaag cagtggcttc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctctttttct gggccatcct tcctatctgt gttcacaat c 351
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<210> 2818

<211> 238

<212> DNA

<213> Homo sapiens

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<220>

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<222> (14)

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<220>

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<222> (64)

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<222> (122)

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<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2271

<222> (130)

<223> n equals a,t,g, or c

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<222> (136)

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<222> (185)

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<222> (196)

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<220>

<221> misc feature

<222> (220)

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<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

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gccnttctag aactagtgga tcccccgggc tgcaggagtt cccacgagc agcaaaacaa 120
cnacnaaggn tctgtntttg cagaggggtc tatcatgctt ttaagaaata agaagagtac 180
cgganagaaa ttcnatnatng acattagagt attttggatn tcnttaaact ttgtccat 238

<210> 2819

<211> 113

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2272

<222> (110)

<223> n equals a,t,g, or c

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<222> (111)

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<222> (112)

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acaattcact ggccgtcgtt ttacaacgctc gtgactggga ancccaaacn nnn 113

<210> 2820

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

2273

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2820
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntcctaata 120
gtttgaantt ac 132

<210> 2821
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2821
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaaacnt cgtnactggg aaacccaaag annnat 106

<210> 2822

2274

<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
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<222> (93)
<223> n equals a,t,g, or c

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2822
tgntnttaac tcgtanggca aagtaactca ctggtggggc gctctaaata gtggatccgg 60
gggctgcagg attcggcacg agctcntgcc canctccggt anatacnacc acctgcttcc 120
tccttgcnat cc 132

<210> 2823
<211> 101

2275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<400> 2823

gctcgtgcc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgctcg 60
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n 101

<210> 2824

<211> 70

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

2276

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 2824
gctcgtgccg aattcggcac gaggtttttt tttttttttt tngggnccttt atttgntnaa 60
ataacnctaa 70

<210> 2825
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2825
cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60
tgaaaatata tcnacttttg agtgaccagg tcatgttctt ga 102

<210> 2826
<211> 308

2277

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)

2278

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2826

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gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgccta tctctnanca 180
ccatttggtta gcctccatct gctcagtggg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc                                     308
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<210> 2827

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<400> 2827

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gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcgttggtc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
ctttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaat cttgaacct                                     319
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<210> 2828

<211> 113

<212> DNA

2279

<213> Homo sapiens

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 2828

gcggcacgag cggcacgagg ggggggcccg tacc caattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcggt ttacaacgtc gtgactggga aaancaaann nnc 113

<210> 2829

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

2280

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2829
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60
catanggggcc aactaagctt cgtagccctc gaaatacnng gagtgcccc tctggaccct 120
cgagcccaca gtccatccac cacanagggtg tctgtgtgtc atcagatagt tcctaccaag 180
aaaatgtctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn 283

<210> 2830
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

2281

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2830
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60
ganagttcct catccgctc cttgctcgcc ggagccgcca c 101

<210> 2831
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 2831
gctgggtgtgg aggcagttgg gagctgtgtt cctttggtcc ccagactccc cctgaatctg 60
ctgtctgctg gttcattgat gtcccttgc tatgccatgt gctttcaca gccgttgetg 120
ctgcctgcag tgcccttttt ttcatctctg agcctgacga gcttctgact gtagactctg 180
tcatttcctt caggatgcct gcccctatgt cttgcagttt ngtcttctct gtgctccctt 240
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300
ttaactgtat taattcagtc tttcagtata cacttattta ttttttaagc tcttataacc 360
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832
<211> 159

2282

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2832
caatttcntn ccttgtttac gtaaattttg aaagattgca tgatttcttg acanaaatcg 60
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120
ggttgtnncc cctccatctt caaataaaaa aatgaccnc 159

<210> 2833
<211> 130
<212> DNA

2283

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<400> 2833

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tcttgtcgaa tgcncctana cttaaaggga acaaaagctg gctcctccac cgcnagtggc 60
ggntnctcta gaactagtgg atcccccgagg ctgcaggaat tcgnncgag ccattctcca 120
gtaattcgcc                                     130
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<210> 2834

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

2284

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2834
gtaaatntaa tgggggggttg gatttgaatt tngtanaaan gggtttgggg gncgcncccc 60
caaaaaaatc nttttttttc tcggagttan tgggacnc 99

<210> 2835
<211> 326
<212> DNA
<213> Homo sapiens

<220>

2285

<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
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<222> (218)
<223> n equals a,t,g, or c

<220>
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<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2835
ggagcaccct ggtcacctgg gggttgtggt tagagtgcc tccagccaag cctgcagccc 60

2286

agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctggggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagccac ctgaaaggga agctgcattg 180
aatncagtca ngacctgggc ttagaggctc acctctanac agcatnacnc aaaggggtng 240
gggggtctcc tnccggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgccncttt aattggaaac caccac 326

<210> 2836

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2836

gcggcacgag ggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacgt cgtgactggg aancncaaaa annn 104

<210> 2837

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

2287

<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2837
gttttctttt cttttctcca actgcttgat aatgccttgc cctatggttg ggcccagaag 60
cacagcaagt tctggggctc atttttgagc caattcttgg tagaaggggtg gggcatccca 120
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180
gcattgatta ttttatcctc ctttttgcaa atgttccatc ttggaccaca ntgattttac 240
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa 296

<210> 2838
<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 2838
gcggcacgag gggggggcccgt gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactgac cnaaaa 96

<210> 2839

2288

<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2839
ggatggatgg attttaatcc agttttcata atgatacaat gggttgattg cagcattttg 60
atgtggggaa tataaagata ttataaagga agatttattt tttaaattaca atttttgaaa 120
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac atttttttta 240
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcntatt 300
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

2289

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 2840
gttcactcac gcatacacat atttgaagaa aatactcaga tccttcctta atgaacatag 60
ttccaagtat gtcaatacta gatatcactg gccacagagt ttgggaccat agtttgtaat 120
ccttaattca tgtttagagta tctgagttta ttcactctgag tgaatttaga aactttactt 180
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt tttttctgaa agtctaattt 240
nnttccttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300
cnc 303

<210> 2841
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 2841
gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactgac cnnnaaaa 98

<210> 2842
<211> 60
<212> DNA

2290

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2842

gctcgagttt tttttttttt tttggggggt ccaaaatttt atnancnttt tnnaaaaaaaa 60

<210> 2843

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

2291

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<220>
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<222> (318)
<223> n equals a,t,g, or c

<220>
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<222> (337)
<223> n equals a,t,g, or c

<400> 2843
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taattcttta ttgacttttt gccctaaatt gctaggtgtg acccagcaat cttttaggaa 120
gagattttac agtggtgctt tatttatatc aataatccag tatagttagg ctgttcattc 180
ctcataatag antacataac agaaaattgg actttcacat tttcatattt agccttccca 240
tttaatccca aaatctctgt attctcatct naaaaacgat cccattcca attatggtnc 300
caaccccctt ggtntaanat taaattacct ttattanttt tcttaaacad ttggaatttg 360

<210> 2844
<211> 176
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (18)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

2292

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
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<222> (160)
<223> n equals a,t,g, or c

<220>
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<222> (175)
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<400> 2844
ncggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120
gtctgtcctg tttcgggctg ctgcncgtcn tggctgtctn ctgccattca ggtcnt 176

<210> 2845
<211> 111
<212> DNA
<213> Homo sapiens

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
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<222> (106)
<223> n equals a,t,g, or c

<220>
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<222> (109)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

2293

<400> 2845

gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactggg aaaccaaact tncncncnn c 111

<210> 2846

<211> 272

<212> DNA

<213> Homo sapiens

<220>

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<222> (4)

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<220>

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<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<220>

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<222> (241)

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<220>

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<222> (251)

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<220>

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<222> (257)

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<220>

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<222> (264)

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<400> 2846

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tatcctggac agagggtgtgc cagagcagat actgcattac catattactg gtgttaacag 120
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180
acttaatgtg atcagttctt ccgaatgggtg atcagttatt ttaaatatct tctttgatnt 240
ntgccccctt ncccttntgc cccnggaaaa ca 272

2294

<210> 2847
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (54)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (81)
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<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2847
ccccccct ttttttggg aaaattcncc tatccgnccc cccccccctt tttntttccc 60
gnaaaaanaa aattttttta naacccccgc ctccccna 99

<210> 2848
<211> 540
<212> DNA
<213> Homo sapiens

<220>
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2295

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
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<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
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<222> (148)
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<220>
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<222> (165)
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<220>
<221> misc feature
<222> (213)
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (282)
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<220>
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<222> (298)
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<220>
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<222> (308)

2296

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<220>

<221> misc feature

<222> (329)

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<220>

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<222> (337)

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<220>

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<222> (339)

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<220>

<221> misc feature

<222> (353)

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<220>

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<222> (385)

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<222> (389)

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<220>

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<222> (391)

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<220>

<221> misc feature

<222> (395)

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<220>

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<222> (407)

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<220>

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<222> (413)

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2297

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<220>
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<220>
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<220>
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<222> (491)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

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caaacgcctg agatctgtcc ccactccagt gantttccca gggcgagggc gcctgtcaag 120
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

2298

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ggaaaaggaa aagaaacgaa tttccagaat tgttttgcac tnccttttgg ttaaggcncc 300
agggaaatngc cattgaaaaa cccccctna aaaaaantnc tttaaaaagg gcnccccccc 360
attccccctct tgggcccccc ttttccccnc nccntaaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttccccctn naaccnnggg agggcccttt aaattttcca 480
atttaatttt nggnnaaaat acctttttga ataccaccaaa acctttttaa aaaaaaaaaa 540

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<210> 2849

<211> 376

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (305)

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<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

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<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<400> 2849

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gtggagctcc aagcggaaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt ctccagctat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaattgaa accttcgctg aaaaaaacct tcaactgaaaa 240
aatgttaaac acaaaactgga aatatctgct taggacctta gaatgctgta aaaacagaaac 300
ctganaagaa ntcacagtcc accaanctgt ctgtgggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac                                     376

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<210> 2850

2299

<211> 76
<212> DNA
<213> Homo sapiens

<220>
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<222> (15)
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<220>
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<222> (19)
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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
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<222> (48)
<223> n equals a,t,g, or c

<400> 2850
gttttaaataa atgcntctnt attanatacc cccnatttaa tatataangg actgaatttt 60
tgcctattat gtgccc 76

<210> 2851
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)

2300

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<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2851

ggggggggccc ggtaccaat tcgccctata gtgagtcgta ttacaattca ctggccgctcg 60
ttttacaacg tcgtgactgg gaaacccaaa annnntntt 99

<210> 2852

<211> 118

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<220>

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<222> (104)

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<220>

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<222> (111)

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<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2852

gcggcacgag gggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactggg taaaacccaa ntnntctttt nttncccc 118

<210> 2853

2301

<211> 100
<212> DNA
<213> Homo sapiens

<220>
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<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2853
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgcccgctgt ttacaacgt cgtgactggg anccnaaaa 100

<210> 2854
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
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<222> (26)
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<220>
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<222> (39)
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<220>
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<222> (47)
<223> n equals a,t,g, or c

<400> 2854
ggaaagcgtc caactgcttc natatnaacc tgtaacatnt cctgccnagc 50

<210> 2855
<211> 132
<212> DNA
<213> Homo sapiens

2302

<220>
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<222> (44)
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<220>
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<222> (53)
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<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (73)
<223> n equals a,t,g, or c

<220>
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<222> (131)
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taacctcact aaaggaacaa aactgaactt ccaccgcggt ggcnggggccg tcntaaaatt 60
attggatncc ccngggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120
tctgggttgc nt 132

<210> 2856
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
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<220>

2303

<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2856
gcggcacgag gggggggcccgt gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgcccgctgt tttaacaagt cgtgactggg aaaaccctaaa cnttttcatt cccctntat 120
cntccnacnc 130

<210> 2857
<211> 631
<212> DNA
<213> Homo sapiens

<220>
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<220>
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2304

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<220>
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<222> (367)
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<220>
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<222> (439)
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<220>
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<220>
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<220>
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<222> (543)
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<222> (575)
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<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<400> 2857
tcacgcgggg gcgtctanan tatggatccc ggctgcagat tcggacgagc aacaatgact 60
aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120

2305

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atctcttttat tactaagtta tcccttttaa tcantttttt aatttggcc aacaaactta 180
aaaccctccc tccggggaaa tttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaacccca acccccacaa acctttatatt cttttatttt aaaaaccctt ttaaagnccc 300
caattgnggg ggccaattc cccccccct ttttaanttt gaaaaaccgn gggggggggg 360
ccccaanttt ttgaaatttt tattttgggg gggttttttt cccggccttt cttataaag 420
aaaattttta aaaaaaaant ttgccccct taaagcccc ccacctttt ctttttaaan 480
ccaaccanna ngggggaaca acccctttac ccccccccc ttttattccc ccccataact 540
tanttttatt taattcgaaa aaaccattta agcctactt ccatttccaa acccaattaa 600
gcccttnggg cggtaacgcc cttaaccgcc t 631
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<210> 2858

<211> 207

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (32)

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<222> (37)

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<222> (102)

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<222> (104)

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<220>

2306

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<220>
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<222> (173)
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<220>
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<222> (188)
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<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

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actgttgtag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120
cctctccctt accccttgnc cgcccacgtt tttctcactc ttccgggttg tgnaaataac 180
tctcccancc nntggtcctt tccacaa 207

<210> 2859
<211> 105
<212> DNA
<213> Homo sapiens

<220>
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<222> (23)
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<220>
<221> misc feature
<222> (62)
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<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>

2307

<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
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<222> (91)
<223> n equals a,t,g, or c

<400> 2859
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tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg 105

<210> 2860
<211> 301
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (125)

2308

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<222> (141)

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<222> (187)

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<222> (196)

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<222> (197)

<223> n equals a,t,g, or c

2309

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 <222> (200)
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<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (289)
 <223> n equals a,t,g, or c

<220>
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 <222> (301)
 <223> n equals a,t,g, or c

<400> 2860
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 ggctgcngga attcggcacg agcggaaacga acaagccttt gttatgaatt ttantcatta 120
 cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180
 actgtantgc tcacannngn ttccctggana acatctgccc gtatactaag tcccnctct 240
 gctgcctaga aaactgaccg ggtctcacc ctcgtgaaaa tcttggtgnt ctacgaagtc 300
 n 301

<210> 2861
 <211> 159
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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2310

<222> (30)

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<220>

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<222> (38)

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<220>

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<220>

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<222> (131)

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<222> (138)

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<222> (145)

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<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<400> 2861

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gggggggggcc gcttgggggg ccggggggggnn ccggcatnan aattaaaaga aaaaacntta 60
aagtttgggg ggaaattctc tcccccccg ggggggggctt gggcaaagg gggaaaantt 120
tcccggggggc naaacggnaa aggnggggaa aaaatccnt 159
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<210> 2862

<211> 115

<212> DNA

2311

<213> Homo sapiens

<220>

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<222> (2)

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<220>

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<223> n equals a,t,g, or c

<220>

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<222> (54)

<223> n equals a,t,g, or c

<220>

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<222> (62)

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<220>

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<222> (87)

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<220>

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<222> (108)

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<400> 2862

angtactggg gacacattca acattctctt tggctatcaa caccntaaa ccgncaccca 60
tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcntc tcgct 115

<210> 2863

<211> 185

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (15)

<223> n equals a,t,g, or c

2312

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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (65)
<223> n equals a,t,g, or c

<220>
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<222> (133)
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<220>
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<222> (151)
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<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (185)
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<400> 2863
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tctanaataa tggatcccc gggctgcagg aaattcggca cgagctaagg ctcaggggtct 120
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gtttttttct 180
gacan 185

<210> 2864
<211> 105
<212> DNA
<213> Homo sapiens

2313

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
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<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 2864
atcactcaaa naaattacaa naattttatc ganctctatc cctaaaactg gggtagaag 60
cccaaaaggt tcaacaccan aatatatntt attatcaacc acaat 105

<210> 2865
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
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<220>
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2314

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 2865

ggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60
cgtggcagcc gctctaaaac taatgnatcc cccgggctg 99

<210> 2866

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

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<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

2315

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<220>
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<222> (117)
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<220>
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<222> (118)
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caacgtgcaa cttccctacg gatcntccct taatccccgt tcatccgata ccatccnnct 120
c 121

<210> 2867
<211> 405
<212> DNA
<213> Homo sapiens

<220>
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<222> (93)
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<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (218)
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<220>
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<222> (252)
<223> n equals a,t,g, or c

2316

<220>
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<222> (295)
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<220>
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<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

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ctaattacta ttactcacag atgaccaatg atnaacatta tacccttttt attaataggc 120
gacaacctgg tanagctttc agagacattc ctgggggtttg agcattgggc tccatagcac 180
tgnaatacta caatatagaa cctttaacgg agctgttnaa gttctgaaac ttacttttat 240
cagtaaaaatt antatggtaa tgcataatctc agagttgtca tgactatgaa tgatngagta 300
tgaagtccta gaatgttgtg ggacttnccc taaatttttt cattttccct tctctcctat 360
tactaanggc atctactacc attgtgtgat naaannaaat gaaac 405

<210> 2868
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2317

<222> (264)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (308)
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<220>
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 <222> (331)
 <223> n equals a,t,g, or c

<220>
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 <222> (360)
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<220>
 <221> misc feature
 <222> (391)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (398)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (417)
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 ccttgagaga gtttccaggc cattgcatag gggaacaggg aatcctcacg ggagcctgtt 120
 ggatcccttg agttgaggga gatggagctt agagtctagg ggatataaaag gtacctggga 180
 atttgctggt cagagaggga gagagaggag agagctgcac agaaagcaaa ctccagagat 240
 ttgcagaaga ttcttcttgg agtnttcaac atagtatgca actaatgttc atagggggcat 300
 cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgcacn 360
 cccataggac tgaaagaaa tgactatttc ngcccgtnc a gactggaaaa aaatctncat 420
 gattccct 428

<210> 2869
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (10)

2318

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

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<220>

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<220>

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<222> (59)

<223> n equals a,t,g, or c

<220>

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<222> (137)

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<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 2869

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gggggggttn atnactcta atgcccctcc tttaatggaa aaaactggac tncccgcnt 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tcctgtctc tcctcantgg acatcgtctg naaaccttg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaan ac                                     202
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<210> 2870

<211> 446

<212> DNA

2319

<213> Homo sapiens

<220>

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<222> (56)

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<220>

<221> misc feature

<222> (78)

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<220>

<221> misc feature

<222> (175)

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<220>

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<222> (243)

<223> n equals a,t,g, or c

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<222> (270)

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<222> (307)

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<220>

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<222> (340)

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<220>

<221> misc feature

<222> (359)

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<220>

<221> misc feature

<222> (374)

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<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

2320

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
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<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 2870
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ccgcaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120
cctgtttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180
acctgggcac ttagattacc tgattacgat tactcctccg attgtgacac aactacacac 240
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaca gactatcgac 300
taagaantct cctcccattt ggctcctaaa cctcgtccn tcatcacatt tcacgtatnc 360
cgttcccgtt ccnccaaac ntaggatgga acnccctgcc ctgnttcccg gccctaggcc 420
cttttatatt cncgccaaaa aaaaac 446

<210> 2871
<211> 252
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
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<222> (43)
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<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

2321

<220>
<221> misc feature
<222> (237)
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<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2871
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180
gagaccactg tgcenggatg tttacacagt ccatgctatg tntcgggaac tgagacngtn 240
gatcnaccat tc 252

<210> 2872
<211> 116
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
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<220>
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<220>
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<222> (44)
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<220>
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<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c .

2322

<220>
<221> misc feature
<222> (63)
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<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2872
cggnangagt cgctctactt aatgtctatg atttgttcta tganntaaga agtnngatgg 60
tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatcatatc tggttgn 116

<210> 2873
<211> 104
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (101)
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<220>
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<222> (102)
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<220>
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<222> (103)
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<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2873
gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgccgctcgt tttacaacgt cgtgactggg acccnaaaa nnnn 104

<210> 2874
<211> 330

2323

<212> DNA

<213> Homo sapiens

<220>

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<222> (107)

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<220>

<221> misc feature

<222> (161)

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<220>

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<222> (209)

<223> n equals a,t,g, or c

<220>

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<222> (211)

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<222> (289)

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<222> (293)

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<220>

<221> misc feature

<222> (299)

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<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<400> 2874

ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60
ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120

2324

```
gactacgaag ggctgcttca gagtccaatt aagaagagag nctgggcatc aaaagaaaga 180
accggattgg tggctgtatc ttcatccnc nttaagcag tggagatcct gaccagattc 240
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng ccntgtccnc 300
ttatcccaac ttgagncagc gcnaccagtc 330
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<210> 2875

<211> 226

<212> DNA

<213> Homo sapiens

<220>

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<222> (23)

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<220>

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<222> (42)

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<220>

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<222> (62)

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<220>

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<222> (65)

<223> n equals a,t,g, or c

<220>

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<222> (74)

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<220>

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<222> (80)

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<222> (81)

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<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

2325

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<222> (109)
<223> n equals a,t,g, or c

<220>
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<222> (123)
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<220>
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<220>
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<222> (165)
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<220>
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<222> (186)
<223> n equals a,t,g, or c

<220>
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<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (218)
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<400> 2875
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anccnttcac gtgntgttan ntgacacaat ngctctaaaac tgtctagtnt ataaacgtgc 120
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180
atccancctg acccccnacc agaagcagta atgccagnct gattca 226

<210> 2876
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

2326

<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (208)
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<220>
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<220>
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<220>
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<220>
<221> misc feature
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<220>
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<222> (332)
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<220>
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<222> (350)
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<220>
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2327

<222> (360)

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<222> (368)

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<220>

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<222> (380)

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<400> 2876

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caatgcaagg ctgactctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120
ttttcatggt ccccggtatc tattagtttt atttttttaga tactccatat nacatacggt 180
tatgcttttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240
atanatatag aaatnatcac gggttattca aatttctana tcctgtgtcc attataagta 300
ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360
tgatttttnc aatttgcatt cc                                     382
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<210> 2877

<211> 357

<212> DNA

<213> Homo sapiens

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2328

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caagtccttg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180
gggtctaata cagctgccat gctccancta tcacattcca ngttagcaag anttgaagag 240
aagaaaaaagg tatgcctttc cctttttaaag gacagtgcct gacctaacac ttctattcca 300
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgccaa ananatt 357

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2329

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gctctaacta tggaccccggtctgcagaatt cggcacgagg ggn 103

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2330

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tggccgctcgt tttaacaacgt cgtgactggg atccccaaaa nnnn 104

<210> 2880

<211> 237

<212> DNA

<213> Homo sapiens

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2332

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gnggctacnn nnncnngagg aagtggggaa gggcngactt gggacctgng gtgtctgatg 120
ttnaagnn gngatcactg tngnacatct gtactcctga aaatgtcagg aatcaganct 180
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct 237

<210> 2881
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<212> DNA
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2333

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ccgncctct aaactattgg atccccnggg ctcaagaat 99

<210> 2882
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<212> DNA
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2334

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acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttggga ttttgaactt tcaaattggg tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat 253

<210> 2883
<211> 102
<212> DNA
<213> Homo sapiens

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<220>
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2335

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<220>

<221> misc feature

<222> (101)

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actggccgctc gttttaaacg tcgtgactgg aaccnaaann nn 102

<210> 2884

<211> 135

<212> DNA

<213> Homo sapiens

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<220>

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2336

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cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancncttn 120
ccctgagtgc catgt 135

<210> 2885
<211> 101
<212> DNA
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<222> (96)
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gcggcacgag gggggcccg g tacc caattc gccctatagt gagtcgtatt acaattcact 60
ggccgtcgtt ttaa acgtcg tgactgggcc cnaaantrnt t 101

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2337

<212> DNA

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<220>

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caccaggggtg	gcaaaaaaccc	aaactcacct	cttggggattg	nancacnaaa	ttgcaatcaa	120
tnantttccc	tgcggattac	tgcntgagga	atttgcatta	ctgnctccnt	cggggggttcc	180
ccacgctcga	nactcatgtc	cgtgtagacc	cattctcata	tatcgcgcca	cgcgaaaaac	240
tatatgtgnc	tcnca					255

<210> 2887

<211> 193

<212> DNA

<213> Homo sapiens

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2339

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gtcccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120
ttcctcccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180
tcnaaaataa ttt 193

<210> 2888
<211> 281
<212> DNA
<213> Homo sapiens

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2340

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<222> (212)

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<222> (262)

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<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<400> 2888

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gaaaaatcaa gcggtctggaa gagaaagtct ccagagtcgg antgaggtgg aatatacccg 60
ggaccaaact cagcaccact cgagcctgca aaccttcttg ggangacagc agccaatgcc 120
ctccctggga atgctccac tgtgctgtga agaactgatt ttggtttttc accactctgg 180
atcgaatatg ctncctccca cctctcttga tncacctggg ttaactatta tactcatntt 240
tctttttgtg ctctcaacca tntcaaataa tcnaacctcc c 281
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<210> 2889

<211> 273

<212> DNA

<213> Homo sapiens

<220>

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<222> (27)

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<220>

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<222> (94)

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<220>

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<222> (101)

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<220>

2341

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<220>
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<222> (268)
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<220>
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ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120
cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180
ggtgctaagt tgcaactgcg ccactctttt ctagctgtcc gatccatcnt ttaattgaat 240
ttaagggtgta tgttcgatac aaacntanan tcn 273

<210> 2890
<211> 155
<212> DNA
<213> Homo sapiens

2342

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<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

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<220>

2343

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atagngattt tagaaaagan ttgaanggat gttgttttta caattangna agcacagaaa 120
gacacaaacc ccagacatct agctctccac gtaca 155

<210> 2891
<211> 216
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (52)
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<220>
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<222> (64)
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<220>
<221> misc feature
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<220>
<221> misc feature

2344

<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
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<220>
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<220>
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<222> (199)
<223> n equals a,t,g, or c

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catncaactgg gagcttaggg aaccaatcct tttagtgtccc tattaatgag gtaaataatca 120
cagcccatcc atcttaacaa agggatatnaa aatgacgatg tgcattgtnt gtgatgccac 180
aaccttatnt atnagaatnt atactaaaga aaaaat 216

<210> 2892
<211> 410
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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2345

<222> (377)
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<220>
<221> misc feature
<222> (378)
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<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
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ttgatacccc ntcaattaac ccctaaagga caaactggac tccccggggg ggcgctctaa 60
atatggatcc cccgggctgc agaattcggc acgacggcac gaggcaagga aaganaaaaa 120
ttataaccaa gcataatata gcaagactaa cccctatacc ttctgcataa tgaattaact 180
agaataactt gcaagagagc aaagctaaga ccccgaaacn acgagctact aagaacacta 240
aaagacacac cgtctatgtg caaatatggg aagattatag taagcacaac tacgagctgt 300
gatactggtg tcaagataat ctattcactt taattgcca aacctcta atccctgttatt 360
tangttgtcc aagaganngt cttgacctag aaanctgtta aatnaaattg 410

<210> 2893
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
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<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
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<220>
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<222> (272)
<223> n equals a,t,g, or c

2346

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<222> (289)
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<220>
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<220>
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accaggcaca atgataaaca tactggctgt tgtgggtgaca atgaccaatt gagtgtgtga 180
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcaccna tttatgattc 300
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt 342

<210> 2894
<211> 280
<212> DNA
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<400> 2894

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gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180
cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240
cgaancacat gatttgtacg nctcgaaatg acacangtcc 280

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<210> 2895

2348

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2349

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<400> 2895

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gcatgaattc gcacgagcat gtcgtgggc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn                               158
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<210> 2896

<211> 455

<212> DNA

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<220>

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<400> 2896

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tattaatgta ctaagggaatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120
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2350

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gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgtttttttc 240
atagctgttt caaaaaatat tcttgatnat tatggcatgc tctttttcag tcatcaatta 300
aaacttttga aaaacatatn ttacatttgt ggggaaggatt ctgaaaggag cattggggta 360
cttttantag tgcctaattg cctcttgtga atgacactta attattnctt acccacttan 420
ctatnttatc agattcttct gantctatca attcc 455
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<210> 2897

<211> 366

<212> DNA

<213> Homo sapiens

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<220>

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<222> (239)

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<220>

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<222> (254)

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<220>

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<222> (316)

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<220>

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<222> (359)

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<220>

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2351

<400> 2897

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caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttggt 120
ttgttttggt ttagatgatg caaaattgag gggccttgca gccccagta acctttctat 180
ggaatcagac tcttgaaggt catantgggt atccattcaa tttcttttaa gtccatgtnt 240
ggaatgggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata tttaccaggt accagaatgc ncctttggaa tttaccaant 360
ggggan                                     366
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<210> 2898

<211> 390

<212> DNA

<213> Homo sapiens

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<220>

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<222> (247)

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<220>

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<222> (257)

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<220>

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<220>

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<220>

2352

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aatattcttt gtccattttac gatgacccgg aatttcacac catctgctgg acgtgaaatg 120
aaaccagaa agtgaaaggg gaagagacga cggctctgcag gcttcagggc ccagccgtgg 180
gccaggtcc atgtggctgc tgccttcctt ttccgtgctg tgcgtagcct cctcttctct 240
gaccgntac cccgcancct cctcctcatt ttcctcccct acttttccca aggggggttct 300
ccacttttat ttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccn 360
aaaaccanaa ggcacttttc cagccattgn 390

<210> 2899
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<212> DNA
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<220>
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<220>
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<220>
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<220>
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2353

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<220>

<221> misc feature

<222> (339)

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<400> 2899

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atacataata gtattttcttc ctcagttttc ccctttccta ctctcagatt cctttgttgt 180
aggtggggccc aaanaaggac ccacccact nttccnggna tnccaggggg aaaacccggg 240
ggtggggcag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctccccnc ccattaaaac tcaaaaantt 360
ccccccccc cttaaatcct cttccncccg gggangnaaa aaaaaaatTT tagtggaggg 420
aat . 423
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<210> 2900

<211> 423

<212> DNA

<213> Homo sapiens

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2354

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<220>
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2355

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<220>
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atttccgtta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagtgc aggaggtgat 180
tctgagtcna tnggtttctt cactgagagag gactgancca agannaatct ttaacaattc 240
nacctcgaaa tttctaattt caaccnaacc aaactatttt atttgaagag ggctanggtt 300
caaaaaagtn cctttnttag tttgttaaatt ccctcccccagn tnaaattcca ataaagtttt 360
ttttaaaagg ggcattgngtg gctcccccca gcaaccacagn aaanaactta tcccgattgt 420
ttt 423

<210> 2901
<211> 325
<212> DNA
<213> Homo sapiens

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<220>
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<220>

2356

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<220>
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<222> (324)
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aacttgtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tatttctgtg 120
taacttgatc ttctgtctag tacttgtcctt ataggtaacc aacactgaaa actttgtagt 180
gatgactacc aaagaaaata catagtaaaa caacctttta tttccaaatt gttaaagagc 240
cagccattgg atgctgctac atganttcca tgctcaagan ccattgttag aaattaangg 300
gttttctaagt ttttgggtga nttnt 325

<210> 2902
<211> 312
<212> DNA
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<220>
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<220>
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<220>
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2357

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<220>
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ctgggtctana anagttggag aagaaagata caggtcttgt ttaatatcca tttcatgttc 120
agctctcaaa atattcattt aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180
aaattcagaa ctntccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggnnt ncagcattcc 300
attagaaaat ac 312

<210> 2903
<211> 538
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
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<220>
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<220>
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2358

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<220>
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<220>
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<220>
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<220>
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<220>
<221> misc feature
<222> (333)
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<220>
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<220>
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2359

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<220>

<221> misc feature

<222> (397)

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<220>

<221> misc feature

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<220>

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<222> (422)

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2360

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<220>
<221> misc feature
<222> (533)
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cattgtccat cttgccaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120
tcccatcang cagaanacca catttgtctt cantactccc ctccagctgg accgtaggt 180
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaancca tccagttcct 240
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttggt gctancctgc 300
actgcacact tgtttaccaa attntcccan ggncttnttg aacccccaaa aaagttttta 360
aattcccccc ctttttanaa aaaacaattt tttcccnaaa attnccccct gttnaaaaat 420
nnaancccca nttnnnnggg cccccaaaaa aatccaaaaa aaaaaacccc ccttnttttc 480
ccccccgggc antttttttn ttaaaagggg ggaaaaaatt cttctcccca atnttctt 538

<210> 2904
<211> 367
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<223> n equals a,t,g, or c

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<222> (274)
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<220>
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<222> (329)
<223> n equals a,t,g, or c

2361

<220>
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<220>
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<220>
<221> misc feature
<222> (366)
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ttgtgtttgt caaatatgaa tacatttatc aacttagtga aaaataactt gatttctgca 120
tggaaaatat ccaaggttat atatactat tcctttactc tagagaaggc catttagttt 180
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaagtgt 240
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agttttttcc 360
ccnncnc 367

<210> 2905
<211> 55
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>

2362

<221> misc feature
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<400> 2905
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<210> 2906
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>
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<222> (182)
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<220>
<221> misc feature
<222> (183)
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<220>
<221> misc feature
<222> (193)
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<220>
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<222> (214)
<223> n equals a,t,g, or c

<400> 2906
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ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180
nnncttgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt 238

<210> 2907
<211> 105
<212> DNA
<213> Homo sapiens

<220>
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2363

<223> n equals a,t,g, or c

<220>

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<222> (102)

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<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

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<400> 2907

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tggccgtcgt tttaaacgt cgtgactggg aaaccctaaa nnnnn 105

<210> 2908

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

2364

<220>
<221> misc feature
<222> (355)
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<220>
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<222> (372)
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<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
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<222> (378)
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cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180
ttagtttctg cctctcttat gacatgtact agtggttggtg gctctgtgtt actctgagcc 240
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgctc atgccgaaca 300
ctccctcccc tcntgcccc cgccccggtg tttcctttag aaaaggcaag ggaantggcc 360
tttactaatc cncaggnnag g 381

<210> 2909
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2365

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<400> 2909

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gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaatagcc 120
ataagaaatt agagtacttg tggtcattga aaccatggaa ttactccng gggngtggtt 180
atntgagaaa tccagggtnc taaaattttg aaccctaact tttcttttaa ngggga      236
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<210> 2910

<211> 63

<212> DNA

<213> Homo sapiens

<220>

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<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 2910

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ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana tatcacnnag 60
tca                                                    63
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<210> 2911

<211> 58

<212> DNA

2366

<213> Homo sapiens

<220>

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<220>

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<222> (35)

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<220>

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<220>

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<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 2911

gaactagtct cgagtttttt tttttttttt aancntngga cntggatttg attgacnt 58

<210> 2912

<211> 472

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

2367

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<220>
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<222> (350)
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<220>
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<220>
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<222> (367)
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<220>
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<220>
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<222> (422)
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<220>
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<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

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atctttingtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120
ttttctcttt gtactgcttt gtcttgcatt gtgttccaac acatgagact tactgctcac 180
tgaatttttg agtcttttag aggtaaattg tggactcagg attttttgaa acttggtgtg 240
taactctaaa tcttgatat gcatctttgt tgcttattac atatttacac acacaaccac 300
aaattttaaa cttatgatga aaatttacaa taacctgaaa agatccagan atttttgaga 360

2368

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420
cnttaggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng 472

<210> 2913

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 2913

gtaaacacca taccnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60
gcnatgtacc cag 73

<210> 2914

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

2369

<220>
<221> misc feature
<222> (57)
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<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 2914
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cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg 108

<210> 2915
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
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<220>
<221> misc feature
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<220>

2370

<221> misc feature
<222> (78)
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<220>
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<222> (81)
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<220>
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<220>
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<222> (95)
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<400> 2915
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gggggcggtt nnaaaatnat nggntccccg gggtngaag 99

<210> 2916
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)

2371

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2916

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tctgaattac tggcctgagc tgcccaccct tctgtgagc agattgtggt gttatggggg 120
ccctttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaac tngcgggttag gggttttctc 240
aactccatgc nttnaa 256
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<210> 2917

<211> 576

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

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<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2372

<222> (315)
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<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
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<220>
<221> misc feature
<222> (340)
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<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
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<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
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<222> (418)
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<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2373

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<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

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<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

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<220>

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<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (563)

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<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 2917

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aactgatnna ttctatttga ccagaaatctt acttttgtaa acattatata taaaataata 120
aagcataagc acatgctaata ctgaatcatt ttcaagaaaa tgtgtttaat atattattag 180
gtcatattaa atatttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaatttttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtcttct cctcaaatna cnagaaatgc cnggaaccca 480
```

2374

gactgcttcn cnattnggcc ngatngtttc accttcctg gttattaatt cncctaaaat 540
tgcaaatcc cattctggga atnaacctnt ctgcct 576

<210> 2918

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

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<220>

<221> misc feature

<222> (110)

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<220>

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<222> (111)

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<220>

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<222> (112)

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<220>

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<222> (114)

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<220>

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<220>

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<222> (346)

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<220>

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<222> (351)

2375

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<220>

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<222> (355)

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<220>

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<222> (367)

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<220>

<221> misc feature

<222> (431)

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<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 2918

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tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagaac atcactgatg 180
aagtagagtg aaataacntt ttattttccat acatatctgt aactgagctc tctaataattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatacctatc tttgaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaacccccg tggtccttta acctttgggt ggaggtgaac 420
ccgtttttta ntgacaaatg agtcttttga aggcaaacc caccaccnaa cc 472
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<210> 2919

<211> 113

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

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<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

2376

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2919
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tggccgctcgt ttacaaacgt cgtgactggg aaaacccaaa ttntngtn ntc 113

<210> 2920
<211> 531
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (145)
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<220>
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<222> (186)
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<220>
<221> misc feature
<222> (189)
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<220>
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<222> (206)
<223> n equals a,t,g, or c

<220>
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<222> (208)
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<220>

2377

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<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
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<220>
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<222> (240)
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<220>
<221> misc feature
<222> (249)
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<220>
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<220>
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<220>
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<220>
<221> misc feature
<222> (312)
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<220>
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<222> (325)
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<220>
<221> misc feature

2378

<222> (341)
<223> n equals a,t,g, or c

<220>
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<222> (347)
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<220>
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<222> (355)
<223> n equals a,t,g, or c

<220>
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<222> (356)
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<220>
<221> misc feature
<222> (362)
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<220>
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<220>
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<220>
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<220>
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<222> (400)
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<220>
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2379

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<220>

<221> misc feature

<222> (407)

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<220>

<221> misc feature

<222> (408)

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<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

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<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

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<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

2380

<220>

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<222> (530)

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<400> 2920

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gggacttggg ggacatatca aaagaaccaa catacacatt ttataagagt ccagtaggg 120
gaaagaaaga gaaaaatgag aaanngaaat ttttgaaaaa attatgttga aattttccca 180
attcanatna aaaaacttga tcttcncc caaaaanctt aatgaactgg ataaacnccn 240
taaaatttnc cctaaaacct ntcccctttt ttttttaaan tctccaaaat naaaaatctt 300
tttggaatat tngggggaaa aaacncccc ctttttgtgg nccccnaaa aaaannggt 360
tnttttttta accacngggg ggggggnggt ntttanaach nccccnnaa aaaaaaaaaa 420
ccnccccct tttttttaac ccccccccc aaaaaaaaaa aatttntntc cccaaancng 480
gggggttncc ccaaaccccc nttttttttt tttcccccaa attttttttn c 531

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<210> 2921

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

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<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

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2381

<400> 2921

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ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagttg tcccttgaat atctctctct cttgttagtc ctatggctac tgatgatcct 240
tgccttctcc cactttgact ttgttttaaa gaaaaatttt gaaccataata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatgggggg ggggggtttca taggggggaaa gttggaaggn 420
gaa 423
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<210> 2922

<211> 397

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (180)

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<220>

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<222> (197)

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<220>

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<222> (325)

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<220>

<221> misc feature

<222> (335)

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2382

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gaacattagt gtaaggacaa tgggaagcca ttggcagggt ttatggaaga tgggtgttta 120
aatagatgtt tctggaagtg taagggtggac aatggattaa agttanacac cacactgaan 180
gcatggtgac tatttangca gctgttttagc agcagtctgg acaaggatat atggtttctt 240
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300
ccccccctg aacctattta acttntttcc ttccngtttt ggcctacctn tcctaagaaa 360
ancccggttt ttggccccc naaatttcct gccggcc 397

<210> 2923
<211> 310
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<220>
<221> misc feature

2383

<222> (295)

<223> n equals a,t,g, or c

<400> 2923

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ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa                                     310
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<210> 2924

<211> 159

<212> DNA

<213> Homo sapiens

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<220>

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<222> (119)

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2384

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cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtnaga gagcaaatna 120
ttctncctaa gaacgagatn ccatgcagga agccagagt 159

<210> 2925
<211> 256
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (6)
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<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
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<222> (27)
<223> n equals a,t,g, or c

<220>
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<222> (33)
<223> n equals a,t,g, or c

<220>
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<220>

2385

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<220>
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<220>
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<220>
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2386

<222> (232)
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<220>
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<222> (249)
<223> n equals a,t,g, or c

<220>
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<222> (252)
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acctcangnc nccannacna ctggnaattc tntatcttcc tacctccaat ctcgtaccca 120
aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttgtgga 180
atattcctaa attcactatg acttttaaca cacaaagggt caacattaaa gncgtataan 240
aangtactng gnaccc 256

<210> 2926
<211> 559
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (50)
<223> n equals a,t,g, or c

<220>

2387

<221> misc feature
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<220>
<221> misc feature
<222> (58)
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<220>
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<220>
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<220>
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<220>
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<220>
<221> misc feature
<222> (89)
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<220>
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<222> (107)
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<220>
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<220>
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2388

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<220>
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<220>
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<220>
<221> misc feature
<222> (226)
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<220>
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<222> (229)
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<220>
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2389

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<220>

<221> misc feature

<222> (266)

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<220>

<221> misc feature

<222> (272)

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<220>

<221> misc feature

<222> (319)

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<220>

<221> misc feature

<222> (320)

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<220>

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<222> (335)

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<220>

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (460)

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2390

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 <222> (464)
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<220>
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<220>
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<220>
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<220>
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<220>
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<220>
 <221> misc feature
 <222> (550)
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 tttnttgtgn aatactnctc ccgtntgtnt atcaacctgc aagctancac gatgtttgct 120
 ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180
 tngaattact tttgactnct cantntntat acantgtnta aaggtnntana acttcaactt 240
 tctcnataat attcaactct tcaatnactc tnccatcact tcctacttca atctgaattt 300
 aaactaccgt aaagtctcnn aactttcctt tgaantacta ctaccaggt tcaacttttc 360
 ttctttgtaa attggtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttn 420
 aaaggaacca atttactccn aattcttctt acnctgtccn taanaaattn ccaataactn 480
 cctgtcaang tttttncctt naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540
 aaaaaaacn tctttttcc 559

<210> 2927
 <211> 189
 <212> DNA

2391

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<222> (117)

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<220>

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<222> (128)

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<220>

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<222> (130)

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<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<400> 2927

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gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccnch aattaccaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat                                     189
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<210> 2928

<211> 490

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (132)

2392

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

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<220>

<221> misc feature

<222> (358)

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<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

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<220>

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<222> (387)

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<222> (419)

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<220>

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<222> (437)

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<222> (445)

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<220>

<221> misc feature

<222> (479)

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<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

2393

<400> 2928

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gttaatatat cctgtgcaaa tatactaaac ctacttagtc tatccaaata tgtaactgga 120
tactactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnc 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcn 480
gggggtnact 490
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<210> 2929

<211> 99

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (37)

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<220>

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<222> (68)

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<220>

<221> misc feature

<222> (85)

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<220>

<221> misc feature

<222> (87)

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<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 2929

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cctcttaaaa ggaaaaaant gggccccccg cggaagnngg cgctttttta ctagtggatc 60
ccccgggntg cagggaattc ggggngnccc cccctgcnt 99
```


2394

<210> 2930
<211> 537
<212> DNA
<213> Homo sapiens

<220>
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<222> (287)
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<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
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<222> (402)
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<220>
<221> misc feature
<222> (417)
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<220>
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<222> (424)
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<220>
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<222> (426)
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<220>
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<222> (465)
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<220>
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<222> (478)
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<220>

2395

<221> misc feature
<222> (484)
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<220>
<221> misc feature
<222> (524)
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<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
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<400> 2930
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ttgtactagg tgatataaag ttcatgtcac ttaaaattca acgactgtgt aagtagctct 120
ttcagctttt cattaagtgc atttttggaa atgtgcacat ctatgccatc attgggcagt 180
tataatttgg ggattttaa acctggcagt gattgaccac tgtgactttg cttattccct 240
ttctctctc agttaccgag ctgataccca gacataaccag ccttatnaca aagantggga 300
ttaaagaaaa aatctacgtg ctccctccgt ccgcaggccc aacaagntgg ggaaattaat 360
tgtttttggg aacacttggg ggggggtttg ggttgggctt tnaaaaaaca agttttnttc 420
aacntnctgt tatggaaatt ttgtttcata attatcccg ttcnctttg ttataccnta 480
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaancccttn cccctn 537

<210> 2931
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 2931

2396

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gaaccnatta tagcagcttt atttttcctt ttttaagatta catttcaagt ttctgaatct 60
agtcctaaag gtaattttct catatgaatg gtacatggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgtttttatg ggaattaaac tcagaatagc 240
ccttcttaat aggtcttttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagatttttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtgggt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat 458

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<210> 2932

<211> 51

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (14)

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<222> (36)

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<220>

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<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2932

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gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacnch t 51

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<210> 2933

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

2397

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 2933

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tggctgaaac agtcagacct acacctagga gatgagatca ttcagggtca ccgtgaccca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggatgatatt cttttccctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgttttggt gcataaagat naatttttgc catgttgctg ttaaaaactt 420
ctnaagaaag gagatc 436
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<210> 2934

<211> 239

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (68)

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<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

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2398

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<221> misc feature
<222> (206)
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<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2934
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ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120
atnagaatga ttaaaagttt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180
ntctaatacat gatcttccaa taaaangtnt gtggtttggt gggaaaggan cagttggga 239

<210> 2935
<211> 99
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

2399

<220>
<221> misc feature
<222> (95)
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<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2935
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<210> 2936
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
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2400

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2401

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<400> 2936

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aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttgaaca gcttaaagan cacaccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctggtg atagctggtt gtccaagata gaatcttagt 360
tcaactttga atttggccac agaaccctct aaatccctt gttaaattta ctgttagtcc 420
aaagangaac agctctttgg acactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggt aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacaccac 540
tacctnaaan atcccaaaca tattactgaa ctctcacac cccattggga ccaatctttc 600
accctataga aaaaacttat gtttggtata agttacattg aaaaacattt ctctcccg 660
attaancctt gcgtccnaag ggataggggg cncganncaa 700

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<210> 2937

<211> 102

<212> DNA

<213> Homo sapiens

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<220>

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<222> (14)

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<400> 2937

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<210> 2938

2402

<211> 664
<212> DNA
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2403

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tccaagtgtg aaatattatc tctaataatg atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcatggaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagttaaatt cttatttagc agcagcattt aaatactaca acatttcaa 360
aatcttcaaa gtccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctcccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
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nttg , 664

<210> 2939

<211> 719

<212> DNA

<213> Homo sapiens

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<220>

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<222> (245)

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<220>

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<222> (413)

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2405

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gctttcttga tagacatttg tttccaggat tttgttcttg gaatagtagc ctttttatat 180
ctgtacacat atattactgt atatcagatt cttaaaaaatg gaattaccga agcaaangct 240
atgtncantt taaattctga tatatactac taaatgtttc tcttaaaaga ctacctanaa 300
ataaatatta caaatattgg tgagctactg gaatcctaata gaaagacata aagtttagatc 360
tgaattaacn aaatgaaaca atgttttttc tggattgana catccctgtt gtngaattta 420
ctaattttcc cccagtcngt gtctccaatn ttgtnttggt naaaacttga cttttgatta 480
naaaacctac ttaataaatg attccacaaa ttttggaana aaaaagccgt tcnggaaact 540
tnttaaaatt ccaatccttt taaacnaccc tccttccgga acccggaag tccaaaactc 600
tttcnttttt ggcctttatt atttttaacc ccnttttttt ncnttncggn ttntcccatc 660
tnccatttat ttattcccc cttnccectt aaattaccct tcccccccc ttttggggg 719

<210> 2940
<211> 736

2406

<212> DNA

<213> Homo sapiens

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<222> (48)

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<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

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2407

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agcagcatgg actgcaagaa cctaaggagg caacatactt anctgcaaag tgagcaaatg 180
aattgagcct aggaatatgt gatgaaaatg catggctgat gtttcctgat ctccaaggag 240
actcccattt gctgaagttt tgcattgctta gaaatccact accgcaaaaa atacangaat 300
acctttaagt tgattatttg caatcttatt catatattag caagaaaaag ggagagatgc 360
ttactgggtg atgctataca gtcctctgtt tttaaaagta ccatgagccg ctgtgcccgg 420
cccatttaat actgtttata tgctgcaaca gtgtttgaaa ctgttttacc cacattccaa 480
tgaacttgan aaagcccaaa agaaaatttg gatttttagcc ancaagatta tggatgggtg 540
aaatttcctc tttagttctt taaacaagtt atctgttcat actanatttc catatctant 600
taaattacta actccatgaa tattttcana tatttccttt ataantattt tctgctgaac 660
cntccctccc gtatgttccc tgtgacttcc aaanaaaaaa aaaaactttt ttttttcttt 720
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<210> 2941

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<212> DNA

<213> Homo sapiens

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2408

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 tgaattttat ttttggctct tattttcaaaa tatctaaata tatgaagcca tacttgcagt 180
 anatttcggt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240
 ttccagggtca aaagggaata catcttagag gttatttagt ctaattctca agggaaaaga 300
 ataattctta gatggtgttc ttaaaacatt ttaacacttt cttattcgtt tgactgcaca 360
 aaggagcacc tttatatttg gctgtaatac atccagttna ggcatangga ttgctctacc 420
 ttcatattta ttttttaaat ttatcttggg ttaactaaat tagaaatata ctgccattcc 480
 catctttgtt atcctaacgc aatccaaggg aataacctct tcagtagatc ttaaaatttt 540
 agtgtcctgt caaattaacc tcttcaatta atatatgtnt taantttgaa ggcaatgaat 600
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<210> 2942

<211> 526

2409

<212> DNA

<213> Homo sapiens

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2410

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<222> (344)

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<222> (364)

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2411

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 aaaaaagcaaa acaactactc ttaaaacttt ttttatgtct cnagtnaaat ggctgancat 180
 tgcaganaac aaaaaaattc ccnctttttt atttttttaa aaccatcctt ncaattttctt 240
 ttggtnacccg aanctactct cttttccctt taaaatcact tctctggcct ctgggtttctc 300
 tctnctttct ttctggcatn antaatntaa anggcgcttt ctncgccttt gccatttcta 360
 cttnccttagt naaacatgac ctntgcgtga atggaatagt ctggaccctt tggtnggggg 420
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2412

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<211> 266
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<213> Homo sapiens

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<220>
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<220>
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<222> (234)
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tggtcatctt ggtttgact gaaatgttta acaatttgga atgtgaaatt gctacacgta 180
ctccaaagca aatcanangt taaaagtgga cnggtnaaaa acatcattcc ggtngggcac 240
tgccctcact tttgtgctgg cggcaa 266

<210> 2944
<211> 659
<212> DNA
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2413

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2415

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 gcctgcctga atctcaacgc tgacacaaaag accatthttgt cctgtgggtgg ctgtgaaatt 180
 attgttgcta tttggggaca caagctgaan ggcctcctat ttcattcttg tgctgtcatt 240
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 attgtttact tggtttgatn ccaatcccgg ctccctccatt atatactgtt tgaatttngg 480
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 ccncaataaa attttgaaga attaattaat ttaaaaaatn ccaacccttt tttcaattcc 600
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tcantgtttt tcctttaaaa aaatgggtcaa tnaagctcct ttggcaaaat ccccnnaana 240
aacaagggtt tctttttccc atcccctacc cttctgggaa ttttttaacc cccctttcca 300
acnacttccc ctattcctac cctggccctt ttttctagga atccttagaa gaattaaaaa 360
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ctatthtttct cgctnttnaa tnttttatcc ncttcagcnn ttgtacngtg atctncatct 180
actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
attngtnacc ttaatatata tctgcagatt ttctccataa accanacntc tgggatcatt 300
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ttccattgct aataatccaa atagtttcna tctnctaagt attaaaggaa gacacttana 180
tctgatntct nattaccaac tgatctncaa aatggtcagt atttagatng tctccctttc 240
tacctgcttt tcctttttaca anaaatnnag caaggaacaa gcatcatgat antgaaaatc 300
tatttcatca atatgttcat nttcaccttt catctttttcc atnacccttt ngaatatcgg 360
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 atgtcttcct atggtatata ctattgtcag tttatagcaa tggtagcttt gacctatgaa 180
 tctcccaaaa tcaaactttg atcaaacttt aatacacgaa agttctcca aaccgttact 240
 tttatantga gaagttcatt antaaatttc tgtccttaaa gtttggcttt tttattaatt 300
 tgaaatgtat nctcaggata accatactaa atcattggga tntttgaaat tatntaaaaa 360
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 gacttttaat gacaggggta gaaattggga gcaagaggct gaacacatgg aacagaattt 240
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 nattggaacc tggaagccgg gaagtttggc ttatttnntt tttccttttg ggctccttnc 540
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 aatttntncc taanaacttt tccttttnacc cnettttaa at ttcnccccan tgcnccegga 180
 ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggncccct tngtntaatt 240
 nttnccccc ctnccttngg gctttttttt cctgggcctt ttntttttaa catttttnact 300
 aaaacttttt tnggtttgna nctcnnantt ttnaccnac ttgggtttgt ttnnttggt 360
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 gncettattt cttaattcat ttttctgccc ctngnccntc ctttanaccc cttangcntt 480
 tttgggtaaa ttcccnttcc ccnggtncgg ggccttttnt tttttccntc ttccccccc 540
 ccttccccng tnttnttctt aaaatncccc aacccccaan gtttcccccc aaccncnggg 600
 ntttttttcc caatttaa at tccccccgg tccntgggt cccaatttt ncccccttaa 660
 aaaccttccc ggaanaaant ttctttataa naaaaccctt aaaaa 705

<210> 2951
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
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2435

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<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 2951

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gagataagcc agtatcatct tctttcaggt gcaagttttg aaactgcttt tgaatttgct 120
tgaaaatcca gccatgacag aaggacttct ccgtgcccaa gtaaatagct tatataattta 180
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240
taaaatgtta cagggattct ctctgangag cagtattaaa ggtgggtttt taaattcatt 300
ttgtatgtat gaatttccta aattttttgc aatgagcctc ttttactttt gaaaaacatt 360
tttaaaaatt cncctagca caattaatta tacttttttc tctacnatt ttgggttcaa 420
ttgtgcctcc cntattttat acttnaactg tttgnnttta catgtttctt natatt 475

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<210> 2952

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (260)

2436

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

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<220>

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<222> (355)

<223> n equals a,t,g, or c

<220>

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<222> (412)

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<222> (419)

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<220>

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<222> (441)

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<222> (460)

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<220>

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<222> (485)

<223> n equals a,t,g, or c

<400> 2952

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cagaatctgt ccatgacaaa cacaaaactg aagagctgtt ttcaaagaaa aaagattatt 120
tcacttaatt attttgttgg ataattgtct agttagaact tccaaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtg ggcacaaaaca ataagtatgt tctcttctgt ttgggaaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccaaaaa ctttctcaaa tttangcctt 360
atttactcat gactggtttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
gttattctct tctgcactct natccccatt ttgtttctgn ctttatttgt taaaattgtc 480
tttantttta tggt                                     494
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<210> 2953

<211> 103

<212> DNA

2437

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

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<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 2953

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tggccgtcgt tttacaacgt cgtgactggg aaaaccaann nnn 103

<210> 2954

<211> 487

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

2438

<220>
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<222> (221)
<223> n equals a,t,g, or c

<220>
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<222> (260)
<223> n equals a,t,g, or c

<220>
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<222> (267)
<223> n equals a,t,g, or c

<220>
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<222> (269)
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<220>
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<222> (273)
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<220>
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<220>
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<220>

2439

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 <222> (405)
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<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (471)
 <223> n equals a,t,g, or c

<220>
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<400> 2954
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 ggtccacagg gcctgtccct gccactttcc aatctgtcct ccacttgaca tttggagtaa 120
 ttttttaaaa cagcaaatct gattaggaaa ctcanangcc caggggaagcc agtgacttgc 180
 cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240
 cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300
 atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360
 gccacccctt ccntnaaaaag tcaaantcgt taattccaac tccnccccgg caccgggttc 420
 tgcaccngtt attccaacag gctggacaaa aggctaaatt gantttgaaa nccaataatt 480
 atttcnt 487

<210> 2955
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (103)
 <223> n equals a,t,g, or c

<220>

2440

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
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<222> (299)
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<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
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2441

<222> (338)

<223> n equals a,t,g, or c

<400> 2955

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tctgaagaag agggagagaa agagaggaca gaaaacagag aanaagggag gtttgcattct 120
ggacggcggt cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
ataaggctca nggcacacgt tgccaccact catcncanga tgaagatac 349
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<210> 2956

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

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<220>

<221> misc feature

<222> (239)

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<220>

<221> misc feature

<222> (271)

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<222> (282)

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<220>

<221> misc feature

<222> (319)

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<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

2442

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<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
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<222> (391)
<223> n equals a,t,g, or c

<400> 2956
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gaactttgct tatctcttgt ctaattaata cagattctgg aattttccag ttttacgtat 120
agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctatacttga 180
atTTTTTtat tgcaaaaatg tctgattttc tganactggg tttctaacta tttataaana 240
aaattggttg tggctctctt ggaaaatgta naaaaaatgt anttgtgtgt tctaatgcct 300
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360
tnatanggct aaanttgat gtttgttgct ntt 393

<210> 2957
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2443

<222> (312)

<223> n equals a,t,g, or c

<400> 2957

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cacggagcag agcagcccgg ggaccaacct ggaataactca gttcagacta ctgaggaaga 120
caaaataaac ttttatgctt ttaaaaaaaaa ttatggacag aacaatatta gaacaaaaaac 180
ttttatgatt ttccagcttc tggggtttgt ctacggttac cagcagcctt gcccnngctat 240
tgtttttatt ctgttccagg ctggctgtta acaaaataacc aataacgggt nnttcctaac 300
aacnttttct anaatttcct gggggg 325
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<210> 2958

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

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<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

2444

<220>
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<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 2958
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aggaatctat atcctaagga ggaacataaa gggtgaaaag cacagtggaa gggatgccta 120
aaagagcaaa ggctgaatca ggggttttaat ggcctgaaat gaccaatttt ctaaaacttg 180
acaggttaga tggttaaaatc agacatatag gttccaaaca atcgattgca aaggancact 240
tggtcaaaac actggctggg aatctgctca tggtgatgaa aaaccccagg gtttaaagtt 300
aatttnaggt cnttttttgaa tccngaataa cctggctgaa aanaatccca accnaaccgg 360
aaagaaacaa ccctnccgga acccttacct cccctttgtg gaaaagaggg tnaaaaattc 420
cccccttatt ccttgccnc aatttttttc cctttntttt tcttnttttt tnccaccctt 480
ttaaaaaaac tttt 494

<210> 2959
<211> 149
<212> DNA
<213> Homo sapiens

<220>
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<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

2445

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
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<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
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<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
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<222> (137)
<223> n equals a,t,g, or c

<400> 2959
aactattgga tcccccgggc tgtatgnaat tcggnacnan ctcggtgccga attcggtacg 60
anagataact agtctcgagt ttcttttttt ttttctaat atcgtctccc ttttnaatan 120
cttattttaat anacttngtg caaatTTaa 149

<210> 2960
<211> 309
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>

2446

<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
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<220>
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<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2960
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ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctggtt gctgaaagtc 120
ttcaactgta aactaggtgg atttggagat tgataggtaa ccccgcttta caatagcatc 180
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaaac tcttgggttt 240
tcccaaatta anaaaaaata aggtcccca aatttattta ttaattttan ggtttttttg 300
ggntnnccg 309

<210> 2961
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

2447

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
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<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
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<220>
<221> misc feature
<222> (518)
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<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2961
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atcactagat aatgagtcag tgttttagc atcacatttt acaatttaca gtttttgttt 120
gattctgtag cccatttttc ttgaagggtta gaataagaat cttcttgat ttgaaaacca 180
tctgccctaa attacattta actacaagaa atggctctct gctggagaaa ttttaagcttg 240

2448

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tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300
ttnttatattg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360
ggtctatgaa aattgtgttg aagactaagg caaatgcctg ttccctgcca ctctccncca 420
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaac actgtaatcc 480
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncncccttaa a 531
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<210> 2962

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<400> 2962

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gcggcacgag ctctgtccga attcggcacg aggggggggcc cggtacccaa ttcgccctat 60
agtgagtcgt attacaattc actggccgtc gttttacaac gtcgtgactg gaccnaaaa 120
aa 122
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<210> 2963

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

2449

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<222> (284)
<223> n equals a,t,g, or c

<220>
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<222> (291)
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<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
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<222> (340)
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<220>
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<222> (358)
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<220>
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<222> (386)
<223> n equals a,t,g, or c

<220>
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<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>

2450

<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2963
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cgtacagcgc gcacgtggta ccgcatcttc ggcagcggcg cccctaattgc ccagccccgc 120
cctgcttcct ttgccgggccc tgaacggtgt cagcattgaa gggtggacgc cgantcncgg 180
cgaattggtc cttgcgggtt ataaacttgg ggcttcccta agggcgggtgc ccggatngat 240
gggggcnct cttccacctg caactcccc cacgcnaaaa cgcnaaaatt ncacatcncn 300
ggccaaccgc tcncctccgg gtttttcaag gggggcccn gggcaaaaag aacttaanaa 360
ttgttttggc ttttaaaaac catttncatt tggnatgggt ttctttttgc ccctaaaggt 420
ttcaaccgcg ggnttntggt tcattgggccc catttttcaa aaaaccccnc ccnaattttg 480
ttttttccna aaac 494

<210> 2964
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
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<220>
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<222> (59)
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<220>

2451

<221> misc feature
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<220>
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<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2452

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2453

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2454

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tgcttccctc cctggantcc agagtccenn tgctccgtcg ggatattcan taaancnctg 180
ggantcnggc ngtangggac cngcgcgccc tccccgcacg gtanggaaat ccgtngtggt 240

2455

cngcggngngn atcncaggcg tcacttggtgc gnancagtcg gctactctct ttccatcgga 300
 agatattctc ttggtcncgg nntctccggg tantaatgaa ttccaaattt cgagcanatt 360
 tctatatnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420
 gcctncncnc ncatggaagg ttctagaaac ctggcggttaa cgctacctga aaaaaatttt 480
 aaaaanactt gcgttnntta cnanaaaaat gggcatccac accttttttt taaaaactct 540

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<211> 293

<212> DNA

<213> Homo sapiens

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<222> (235)

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<222> (247)

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 tatccanaga cttactgagg cttgtactac tcttcaagct ttgtgggtta gactttgagt 120
 catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatgggt 180
 cttggactcc tacattactg ctgccaaacc caccagaaa ttttcttatt tgccnagtat 240

2456

ttttttnggt ctttttnaat tcaanggtca tcattctcca taattttggc tat 293

<210> 2966

<211> 61

<212> DNA

<213> Homo sapiens

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<220>

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<222> (48)

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<400> 2966

gtcgagtttt tttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60
a 61

<210> 2967

<211> 187

<212> DNA

<213> Homo sapiens

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<220>

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2457

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agctccaccg cgggtggaggc cgctctacaa ctagtggatc ccccgggctg caggaattcg 120
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcanccntcc 180
ctccntc 187

<210> 2968
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<212> DNA
<213> Homo sapiens

2458

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 gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
 aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
 taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
 ccttagaaca gcttaaagag cacaccctgc tatgtngcaa aatagtgggg aagatttata 300
 gggtgaagcg acaaacctac cgagcctggt gatactgggt gtccaagata gaatctttag 360
 ttcnactttt aaattttgcc cccagaaacc ctctnaatnc cccttggttaa ntttaacttg 420
 tttngtccca aa 432

<210> 2969
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 <212> DNA
 <213> Homo sapiens

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2459

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ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120
ctgaanttta taagggccaa gtcacatgctc aatgtgacat gtanagacat atttatttnn 180
aaacttggtat gtttctaaat ttgtattacn a 211

<210> 2970

2460

<211> 96
<212> DNA
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<220>
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cccgnggttt ctttttttaa acattttccaa gccctt 96

<210> 2971
<211> 157
<212> DNA
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2461

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aaatgagcat tgggatttat ttcagggaaa acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttgtggg ttttggt 157
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<210> 2972

<211> 319

<212> DNA

<213> Homo sapiens

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2462

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2463

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<400> 2972

2464

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ncaattntnt ggtccaaaaa tatattctgg atttggtaat tggcaaacc tttgataaac 120
atggccantg accnctnaat acnccccaaa gccagcnttt nctncttntn cagtgcataa 180
aatttattta ttttnaaaan ccncatacta ttttgggacc attaaaacct atgggttaaac 240
tggctgcatt ggaattaact ttngaccaa tcctaacnct gctactttct aacattntga 300
attgggnaat ttcctttcn                                     319
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<212> DNA

<213> Homo sapiens

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<222> (434)

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<222> (459)

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<222> (548)

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2465

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tctattactt acaaaaagtaa aaagaaatgt tctaattgcac agtttgaacc taaaatatac 120
atacataaag ttcttgaaag atgccaaactt gaatccaatt ttaaataaaa aagtttaaaa 180
ttcgtgaagat gagatgagtt gatatgtaaa tatgtcaatc aaattgattg ttggcagagt 240

2466

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gaaaccagtt ttaactaaga taaccatgaa tacgtttggt catgaagcct aaatacagtg 300
acattagaaa tgtagtgga taaaagctgc gtactttaat ttcagtttga acagatgttt 360
tatgttatat ctntattgag atgaagtaga tcaactcaat ttttaagttga acaacatgga 420
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480
cagttccaga acctgaaagg ttcatcctt ngntnccatg aaaacaggtg gtttttccnn 540
taaaatanta aaacnggggt ctaatgtcat attttaaaat nattgtttan aattaaaatt 600
ggtcnccaa taattttttc caatatntcc cattcaggtt cntcnatttc cccatnttcc 660
ctttgaccnt gaatcttacc catgagcaaa cttggaaatt tgaatgaat 709
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<210> 2974

<211> 543

<212> DNA

<213> Homo sapiens

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<222> (232)

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2467

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2468

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<400> 2974

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ttttccctat gtagtctcat cttaagttgc aaatgtagat tttaattaag cagtantaat 120
gtgacttttt tgcctaattc tgcagtagat tctaccgtat aacacattgg anatggtaat 180
cgttcagttc atataaacat aaaacagcat ttgttaatat gtctgttaac angtagttna 240
taatttaatg tttgctttta ctggggcctg ttttgantcc catttttatt tgantcncna 300
acaaccatct nttaattaca atttaacttt cnaagantcg cgtnathttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
nccaaaaatt tcncgggttna tntttccacc tttgtccccc aaatttttcc cnatttttgg 540
ttt 543
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<210> 2975

<211> 621

<212> DNA

<213> Homo sapiens

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<220>

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2469

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2470

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 ttaccattga aactcagatt tgctgtagt accctcaatc ccatttttct cgttccttaa 180
 ttaccggctg ttttagtttg gtttagtctg tccttccaga ctgttctgcg tgtctttcta 240
 tgtatcaaaa atattgcctt tttttttttt aatttaangt tttnaatncc ttttatatnc 300
 ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360
 ctgaactntn ccccntggga accnccatta ttatttncag ggttnttcnt ttttaccaan 420
 tgaatttaca aattaattcn ctnggtttta nnccgtncc aancccantt tnaattaaan 480
 aaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatccttta 540
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2473

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2474

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 actctgnagt cctaattntt ctagtgtggac caaaaaaaat ccnnattggt tgatctaang 180
 agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
 ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300

2476

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ttaatatgttgc ccctattagc antcactaca anctatttct caaatntacn tattttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
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2477

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 agcatttaat aataactgtt tacaacatga ggcaaagcta ataatgttat ggttttatta 180
 anagatctgt catctctgtt tttcttaaac tgggttaaca gtccagaact ttgttatgtt 240
 gtttccanct gaaagaattt attatanggc ttgggttaatt taccctaaat tttccttttt 300
 aagaacccca tgaacnggan cccccnaaga aactgaanaa taactccttt tttttnaaaa 360
 aggggtgaatc ctggcttggt gcccnaaatt attttaaaaa ttccgcccct tnagggaana 420
 ctttgctttg gtatttttcc ttnaaaacaa nttaccacca ccngcttctt tggttttccc 480
 aattccactc ccagggtgaa ccttancctt cctgc 515

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2478

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 actgcagcct gttaataatt gtgcatgtgt tttatgtggc ctcaaataaa ctgagacaat 180
 cttacacatc tgcattccag atnggggtcac tattccttca tacttaatct cctattatgt 240
 aactgtccat tnacaaaaaa tacatcacat aagggaaaaa acttaaatac ttaatttgct 300
 agtgcattaa taagtgtatc taatacacat nactttttat tggtacctta aatatatgtg 360
 tttgtctaga aatatannna ataaaacctc ntgttatgtt ttctcgcntt aaaatgtacc 420
 anactttgtc caaatgcttc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480
 aacatttant aatgttttta aattntnaac tccatgaagg gtaagggtgtg tccnaattna 540
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2480

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2483

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tgtgctttcc cagtcccatt cctcagcttc ttcacaggca ctcttgagga tatgaaagat 180
tactctccat atcccttcct ctcangctct tgactacttg gaactaagct cttatgtttg 240
cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300
nttattttgg tttatnanc ttaancccct ccaaagacan aactttaaat cttttnaaaa 360
aaaagtttgg aatnnatttg attactatca ttattcnca ctttactttt aanccnggct 420
ccctacttna cttccnccta cattatctcc ctttntncct ttatcatccc ttaaaaaaat 480
tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540
tggttgggtg caatcccctt tttattcccc cnncaccttt ttgggaangc tttaagggcc 600
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cccat 665

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<212> DNA
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2484

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gtggcaagcc tcttctgctg aaccaagtaa gggttgtgga gagagaacag aggcaccaga 180
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240
gggtggaataa ttcagggttg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360
ttantacagt gcagacttat tatatacaat ttaatttaca tgaattcact attncatcca 420
tcctttatat taactataat tgtttatatg tnacanattc ccaattaaag aattacacaa 480
tattccataa tntttatttn tc 502

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<220>

2485

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cnataactgg agccatccgg ggggctggca anacttccg 99

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<212> DNA
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2486

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<222> (267)

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<222> (397)

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anggggcaga aaacatttgn caattcattt ttatttagctt gatggagcat gnattatttg 180

2487

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caatggaata ttggacttgg tatttttctt gagcattatc aggtttctgg ctggtgggag 240
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtnngggc agggcttttg 300
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaaac 360
caggaaaact ttgtcccctt ccccccattg ggttcn 397
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<212> DNA

<213> Homo sapiens

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<210> 2984

<211> 484

<212> DNA

<213> Homo sapiens

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ttttctttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctggggagc acaaacttgg gcaatcaata 240
aaggcttttaa ntganacaga catgcttttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtggtta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaaa aaatnattca gacactccaa aattatcctt 420
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 tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant ccnttttctt 180
 gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatgtt 240
 aattcnattn tcttggagcc tcactcctcc tcntataaaa tcatttggtg ttatttataa 300
 tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360
 tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420
 cnaangtgaa tattctcacg ntaancatgg gnatacccn atngtctgtt atactctgtt 480
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 cttggganat agatngatgg ggaggtagca ggacttggtg nattcactga gcctggggggg 180
 atgacttgaa gctgatggtg cagtggntaa cagttgcagg gctctgaaag gggaagnagc 240
 tgatttgcag gnagagggaa aanacttant cctgtngggg ccctgtnggt ttttaccccc 300
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2498

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gctgtgtcnc attacttcan ganaancctt acccttggat catacttngg anncctggat 180

2500

tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240
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<212> DNA

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<211> 251

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atgtcttcac ctctccttg tggaatctaa gccttgtgca cctttccaat ccaaaatcaa 180
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ancttaatag g 251

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caccataana gcatgtccca ggatcatcatg ttcttttgca ccaggntcct gggaatgcag 180

2503

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240
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tgggcgtcgt tttaacaagt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120
accacatgan tattcctatc cntacn 146

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gnc 63

<210> 2994

<211> 437

<212> DNA

<213> Homo sapiens

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 ctgactgggt gtcaaatatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180
 cactcacaca atgtcccaca ggggacacac agtggttcaga attgtcacca tanacagaaa 240
 ntccctcctg tggatatatgt tgaaatacct cctcttttgg gccaaagccc ctaggcagaa 300
 nctcttgata atgggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttaaaac 360
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aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996
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<220>
<221> misc feature

2507

<222> (111)
<223> n equals a,t,g, or c

<220>
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<222> (112)
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<220>
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<222> (113)
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<400> 2996
gcggcacgag cggcacgagg ggggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga nccccnaaaa nnn 113

<210> 2997
<211> 185
<212> DNA
<213> Homo sapiens

<220>
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<222> (110)
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<220>
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<222> (121)
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<222> (166)
<223> n equals a,t,g, or c

<220>
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<222> (182)
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<400> 2997
gctcacttgc tctgagacag gtgcggcaag tctactgcgg gctgggtccgg gctcctcaag 60
tttcagaacc gaacgggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120
naagttcccc aatgaaacaa aaaaacctcc accattttca nggccttggt caacggccca 180

2508

tnacc

185

<210> 2998

<211> 117

<212> DNA

<213> Homo sapiens

<220>

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<222> (29)

<223> n equals a,t,g, or c

<220>

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<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

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<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2998

aggctcatgg gataaaacag acttcttant atatacctan ctatcccagg atattttctta 60

agctaattgtg tttgtctcat gctttcaatc atttcntgca tctgaaaacc cntnaat 117

<210> 2999

<211> 129

<212> DNA

<213> Homo sapiens

<220>

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<222> (120)

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<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

2509

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<222> (127)
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<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2999
gcggcacgag cggcacgagc ggcacgagcg gcacgagggg gggcccggtg cccaattcgc 60
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaan 120
ccnaagnnn 129

<210> 3000
<211> 440
<212> DNA
<213> Homo sapiens

<220>
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<220>

2510

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<220>
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<220>
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<220>
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<222> (376)
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<220>
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<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2511

<222> (434)

<223> n equals a,t,g, or c

<400> 3000

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gattctcaca ccaantncaa antattagga attttttata tcagctgaca tcttgtgctt 60
acagtaaagc catatagatg cacacatagt gactttatta aatcaaata gttgtgcaga 120
gcagagcaaaa tctattangc tttctctttt aaanttttct aattttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattctttg 240
attanaaaat catcttcagc ttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaatctt cccataaaaag cttaaangga 360
aaaaaaaaatg tcgttnttcc aaaaaaaaaatg cttgccgggnn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt 440
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<210> 3001

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<400> 3001

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gaaaaaaaaa catctgaaca aatttttagtc tctaatacctt acggctaaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaagggtcc atttgacctca 120
```

2512

gttccttttta ctcagtacat cacattcagc tttcaacaaa aaaaattaca nggcatacta 180
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240
aggaagatgt tgaaatcatc agactggaaa tttaanacn 279

<210> 3002

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3002

acttgcnct caaaaaangg cccnnaaaag aatntaaggt tgaatctcta cccgggtgnc 60

2513

ggtcgattta aaattnttgg atcccccggg ntgaaggaa

99

<210> 3003

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (63)

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<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3003

gtgaatacaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60

aantgggagc ngntgggttn cttttanct cca

93

<210> 3004

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

2514

<220>
<221> misc feature
<222> (359)
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<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3004
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tctattatga aatgatacac atttttaaat gaaccataat ttttttcact aagctgtttg 120
cctttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300
ggaaaaaaaac atattgagtt tcaaaattta tatcctgaca ttgtttaagt ttatgantnt 360
tttttnnaat ttgccaaana caaggtgtta tatt 394

<210> 3005
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
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<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2515

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3005

gcggcacgag gggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggcgcgtcgt ttacaacgt cgtgactggg aaaacccaaa tnntntnn 108

<210> 3006

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

2516

<400> 3006

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gaactagagc tttcactgtc ggcttgcagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt 336

<210> 3007

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

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<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3007

gcgagttttt tttttttttt ttttttaaatt ttangggacc ncttttttna anantttt 57

<210> 3008

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

2517

<220>
<221> misc feature
<222> (222)
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<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

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gaaacttttta aaaatcttttg gtggaataag agagagagag agagtatgtg tataaaaattt 60
cagagaggta ttttaaaagt gatggatttc tagcttgggc ttgaatgaag ggcaagtctg 120
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180
gcccaaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240
tgttgaattg tttcctggaa ttaggttttg gtttagtggg acaataccnn tccn 294

<210> 3009
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)

2518

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

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<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

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<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 3009

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gcaggcatct aactcccaca cctgtggctg gagcccatgt cactcacctc tcctactcaa 60
aactagattg caaattccca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcagggt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctccatcag 180
cacccatgtn tgggagtgtg tgtgggggta cttcccagtg ccgttccttc tcatgggtctc 240
ctgactgctc cctgattcca gatcaaggct tggtaaaant caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatggt tttttcacia aaanagttcc tcccccgctc 360
tcacacacng angaatccct cacagttttc ccaccaaadc cccccccnnn ggggtgctgct 420
tgccttattt tccaaatttc ccaa                                     444
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<210> 3010

<211> 347

<212> DNA

<213> Homo sapiens

2519

<220>
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<222> (144)
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<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
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<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
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<222> (311)
<223> n equals a,t,g, or c

<220>
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<222> (322)
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<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
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<400> 3010
gttttagttca cctggtaaaa tgggtttctc atttctcgat caagcctggt gtgaagggac 60
gcattggact ttaagttggt ttataccctt catctatttt ttttaaagat ttgaactggt 120
gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180
tttattgaaa catgtgcatc tacatatatt tactggactn cttactgtac attttncttc 240
ctctaggaaa tggcatcaan atgggttcaac taagaacatg atcactaaaa acattataat 300
aatacctttt ngaaaaaccc antncccccg tttaccaaat ttttntt 347

<210> 3011
<211> 126

2520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<400> 3011

gctagtctcg aggggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgtc gttttacaac gtcgtgactg ggaaaaccca agctntnntt ttttttctnt 120
cgcant 126

<210> 3012

<211> 69

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

2521

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<400> 3012

gctgatgtga ggcctcttgg tngttgtgtn anggaaaatg gtatcaanta acagcatggc 60
ccccangta 69

<210> 3013

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

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<220>

<221> misc feature

<222> (270)

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<221> misc feature

<222> (288)

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<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

2522

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 3013
gagaacacag agtgtgttca tcagatttta tctgcagcag tttntttctg tttattgttt 60
tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aatataattc catgtttgac 180
ataggaacta cttatagatt gttataaaat tgaataattt tgtattaatt atttaattct 240
ttccttaaca taacatgtta agcatgatchn aatgtgaaaa cacttttncc ccgaattnnn 300

<210> 3014
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3014
gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cntgactggg aaaccnaaa nnn 103

<210> 3015
<211> 104
<212> DNA
<213> Homo sapiens

2523

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3015
gcggcacgag gggggggcccgtgtacccaatt cggcctatan tgantcgtat tacaattcac 60
tggccgtcgt tttaacaactt cgtgactgga accccnaaaa nnat 104

<210> 3016
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2524

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3016
gcggcagcag gggggggcccgtacccaatt cgccctatan tgantcgtat tacaattcac 60
tggccgtcgt ttacaaacgt cgtgactggg aaaccnnaaa nn 102

<210> 3017
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
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<222> (115)
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<220>
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<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (176)
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aaattgctcc ctgcttatta gctnaaatga aatcatgaat gtgctggcat agatnagagc 120
ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaataaa taaaagcact 240
cctacttnag tctggcagga 260

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<210> 3019

<211> 339

<212> DNA

<213> Homo sapiens

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 cactgtctct tgggtatgtg gtggggattg gggggtgagg aaggggtggg anggcanatt 120
 aaagagaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatccca 180
 cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240
 catgctnatt cttttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

2527

naccncnggtt ttttaaaaat tggggaaaag ggttttccn

339

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tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa nnnnn 105

<210> 3021

<211> 541

<212> DNA

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ggtgagtcac ctgccaagaa actgagactc cctaaagtaa cagaacttcc agccttcttg 120
gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180
gagaaggcta aaattggtaa cggctagttt gaagggttaag aaaaaaaacc tactcctgaa 240
ctgattctct atgttgccctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300
accacttcct gttgttttat attacaactg cttgaattgg ggnnaantta cccccccgtg 360

2530

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ctttccgttt nccccccaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420
aatccccac ntgaaatttt nncattgggc cccnccna nnaaaaacc cnatttccca 480
ttccttgga ggattggaaa aaaccnngg aaaatttttg gaatnaaacc cctttttttt 540
n                                                    541
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<210> 3022

<211> 446

<212> DNA

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<222> (287)

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<220>

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<222> (315)

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<220>

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<222> (322)

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<220>

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<222> (339)

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<222> (369)

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<222> (419)

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atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180
ttatcactta cttttctgcc ttagttatca gatctcttgt acctctggca gctttattga 240
atgtgtgccg gggttggttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300
ccccatgcct ataancctaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360
attccagtn cttttccaaa aaaaacccca aacttaacct tggaattaat ccaattttnc 420
cccnntttta ttttaaaatt anaaaa 446

<210> 3023
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<212> DNA
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<222> (264)
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<220>
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2532

<222> (292)

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<400> 3023

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ttaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgcttttnat antntttccn atgggctgaa tacccaaggt anagccg 297
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<212> DNA

<213> Homo sapiens

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<400> 3024
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acttgggtgg gaaacccac ccaaaagccc cttttgttac ttaggcaatt ccccttccct 120
gactcccgag ggctagggct agagcagacc cgggtaagtn aaggcagacc cagggctcct 180
ctagcctcat acccgtgccc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240
catacctcna natgtctgct tgaaaatatt tcctcagcct gaaagtttcc ccaaccatct 300
ggnaaaaaaa tnctatgcat cccttanaac cctgctcaga acacaattac ttttggttaa 360
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cggtanc 427

<210> 3025
<211> 537
<212> DNA
<213> Homo sapiens

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 tacataaaag gtaatgtact gtatatatta ttctgcaacta gttttaaaaa atttaacagt 120
 atgtaactgg agctcccttt gtatccatac ataaaagagct tcttntcttc tgttacagta 180
 anactatgan aatgttccat agtttaacca gtccagtccc ttananatgg ataccgtatn 240
 gttattgcaa ncaagtgtg cagtcagtaa cttgtgttat atcannattn ngttcatgtt 300
 gcnggtttat ctatanaata aatnccccaa aaataaattg gtgtgttcna ngggtnantg 360
 tttttgggta cccccagaaa aaanttgccc aattncccc cgtaaaaaan ttntttcntt 420
 ttggaacccc ncnntttttt aaaaanttttn ttgntttntt ttagnaaaat cttaanncn 480
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<210> 3026
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tggccgctcgt tttaacaant cgtgactggg aaaacccaaa annntatna 109

<210> 3027
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2542

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aacctctctc cnatccatta ctnggttctg agctaccctg tctcnntct aactcacgcc 180
tttntgnaan aggaagttta agccantggt tactctctta antcacttca cccttagaac 240
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

2543

ntcgtttctt tnnnnnntta ttataaatg ggacntatg actgggtatn ntcaaanct 360
caacnttnnn nnnngaactt ngcatatttg caacccaaaa tgggccgcct tgaaanggtc 420
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480
ctctgcccc anctgctcat ctcttgacc tctaaacgtt cttcacaan tagganattg 540
ggct 544

<210> 3028

<211> 364

<212> DNA

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 gaacgcccnna cattgaaaca ctncccnatg tggtgggacg tccacagaat gncaagctna 180
 ccacgcngtt tatcttactt gggcncgcnt aagccccgc tttgggcca cttggtccac 240
 ttccncaatc ccttgncgcc caanaaaggc ttctttccaa ggtttccaa agggccccc 300
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2548

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agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tggtggacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
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cttctcttca atctnatnag ctgggtgatc agaaatgcna gagtgacatt gagaancnta 180
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gtccaattgc tatngttact tcaggaagt angaactggt ctgatgncca actcgaatgt 180
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccnncacc 240
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncctt 300
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgn tttggggggcc 360
aantntctt tttncnanaa tccctgggtc ctnggcaaag ttcccttggg gttgggggaaa 420
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 tgaagggctg ctgtcagtg aatgctcatg gtggagctct acaggtctct gcantgccct 180
 anectgcctc tctgtctctc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240
 ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300
 tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360
 gcaaaaacaa gttctggggg caggtgccc caaagaaaac cntgattgaa tacttttgtt 420
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2559

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2561

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atctanaact gtgatttagtg aggaaacacc taggangaac aaacaacca actcttttta 180
tctaattctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240
tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300
nattaccacc tttaacaatc aatcgcnaac atagtgggct taaagcagct ccccttttta 360
acctacntat ctggcaaaact ngcagtcttg aantgaactc agctngaatt tttttcctga 420
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<223> n equals a,t,g, or c

<400> 3039
gataatttta taatgttggt ttttgggtact ttaatacatt tattgncctg aaataaatca 60
cctcatttat cttttaaaga gtgtgtaagt gcctgtattg ttttctgagg naaacagtcc 120
tagttttaat tagaatgaca tagagtcttg tctaaaaacc tcgaaaactt aaggaaccac 180
tgtgaaacat ccatctactt acacccattc caacccccaaa tcagtactga acaccaaaca 240
tgtacacagt tgtcatgata ctcacacac ttgtctcaac taaataatgt taccctcca 300
cccctccac tgaagatctg cctactgtat ttctacctga ggttcaaatac aggggttcttc 360
tatgaaagtc tggtnnactc ntcnngtctg tatc 394

<210> 3040
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2563

<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3040
gcggcacgag cggcacgagg gggggcccg tacc caattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgct gtgactggga aaaccnaaa nnnn 114

<210> 3041
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3041
gcggcacgag agtttggttt ttttttaaaa tngggctaaa ntttnttggg ngcaggnc 60
c 61

2564

<210> 3042

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<400> 3042

gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaaactg cgtgactggg aacccaant tnntnn 106

<210> 3043

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2565

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 3043

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gcaaagatga gaattacccat tcctaacgtg aaaccaggat tggagacagc tgncttgcc 60
caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120
aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180
tttcaggtaa gcctttcttc cacctaagtt agcacagtca gtgtctgaga aagattgtgt 240
ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcatcca tcactctttc 300
tangaagctg ttatgctgtt atgaaatgaa tgcagggttt tggcactaga atgaacctgg 360
gttttatttt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420
canttgcnc a ttttcccc                                     438
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<210> 3044

<211> 154

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

2566

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 3044

```
gaaaanggta atggaaacat ttcatatgaa gccaaagtctc actgagatca ccctactgct 60
taataattca naaaattttc acctgcaaag tgtntggaat tttatgtntg tggntgaaag 120
ccatcttnta caatgcttaa tcacatctct gcct 154
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<210> 3045

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

2567

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3045
aggntntnccc taaaaagttt ataaaagatg gtanctccac cgcgggcccg ggaagaatct 60
agaactaatg gatcccccg gctgcaggna attcggcacg anaggcacga acgcctnttt 120
catcnatc 128

<210> 3046
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

2568

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3046
aactattgga tcccncgggc tgcangtaat tcggtacgan gtgaaaagga naaccccatg 60
cgggtaactt cgcattccnac aaactctgtc tcaacattct gtgtcgggga gantgc 116

<210> 3047
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 3047
gccctctcca cctgctgtgt acaaaggaga aataatcact ccacacccga ctgaacattt 60
tctaacctta tcaactgtggc agaaactggc tactcttcct cctgggtaga cagccaggct 120
gtatttcccc gctgcccctg cagtgaagag tagccattgg agccggcgca ggccaaatgg 180
actctgcact ggagtgaac atgctgcttc caggcctgtc cctcaaacct cccacatgtc 240
ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggtgagcaa 300
tggcanattg ggagcatcc atgggagaa actgggttcc ctgacntaaa gcatcatgga 360
at 362

<210> 3048
<211> 247
<212> DNA

2569

<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

2570

<400> 3048

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gggggggggnc naaactccta gctcntaagg gtcctcctca acaaagggaa caaaaggccc 60
agctccacca anggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgttttt acaacgtcgt gactgggaaa accccaagng tnnngtttc 240
ttcgtcn 247
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<210> 3049

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

2571

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<400> 3049

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attactngan tgtngacccc ccaactcaatc atatnccana tctctccctc actaaacgta 60
agccttctcc tcattctctc aatcttatcc atcatagcag gcagttnagg tggattaaac 120
cnnacccagc tacgcaaaat cttagnatac tcctcaattn cccacatngg atgaataata 180
gcagttctac cgtncaaacc taacntaacc attctgaatt tactat                226
```

<210> 3050

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

2572

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 3050

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gggaaaaattc cagattatgt agctttacat gttagggacc ctaaagaaac aagggttgagt 60
actggtagggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatgggtan 120
gattttatna nttaaataata tcaattttta ggtacttttg tatgataaag ttgtattatg 180
attnataata acaagtctta atttgaggct tactcacttg aggacttttg tacaanaatg 240
ctctttngct gtttttcctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca                                     318
```

<210> 3051

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

2573

<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3051
gcgggcacnag gggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactggg aaaccnaag tgnntngtt ctccgc 116

<210> 3052
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)

2574

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<400> 3052

gatcntaccc attcagacag atgctgtgnt gtnccctcana accatngtca ttgtt 55

<210> 3053

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<400> 3053

gttttggttg agccatctcc ctccactcca ttgcaggctg tgcactaaac caaggtactt 60
gctgctgtct gaaccatggt gcttctacat cccatgcatg tgcacatgct gtatctactg 120
tctgctttgc aaacttttac ctcccttccc gcgagccttc cggggtctta ccctttgctt 180
ctccctcccc tanacattag taaccccttt ctgtgtaagc attaccttca ctgttggtact 240
gtgttacagt tatttgcattg tctgtcctat cctaantgaa ctaagtgcc a ttgattgct 300
cacaaagcan tttggantag gacaaattga agaaaaacct gaaaagttca t 351

<210> 3054

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (201)

2575

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 3054

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gattttattg tttccatttc attttcccat atattgaaaa gaacagggcc atgaacagtt 60
cttatggaat atggtttgat atatatatttg ctgagttgga ctaacacccat ttgtttttgg 120
ttacattcca ctaacagAAC atggcaagat aagtttatgg tcagggttgg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatccccctga accacctcct cactttctta ctttcaaccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc 328
```

<210> 3055

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 3055

2576

ctccaccaaa ggggcctttc gctcnaagga actagtggat cccccgggct gcaggaancc 60
cgcacgagcg aatccntaat ccttctaata nctntcctct 100

<210> 3056
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 3056
gggggatctg cnagtctaag ttctctcac aaaaaggga caaaaggccc agctccacca 60
acggtggcgn tcgtctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120
aancctnaca naaan 135

<210> 3057
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)

2577

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

2578

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 3057
ggtcccctgc tnaccaaagt nacagctcta ntcccctgta cttctctggg gttngcctag 60
ttaaacgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120
gacatcttng annnggttcac ccttgctctg acttgncccc atacctac 168

<210> 3058
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3058
gcaanaagtc tgatggccac ctgantgcan gtgacaagga ccngacacan ccc 53

<210> 3059
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2579

<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)

2580

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 3059

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gaaaaactan ttggttttgt ttgggtcagtn ctattgaatt tgtttgtggt tttaaatttc 60
ntnaaaattt ctacttttat ctatttccat tcatctatnt gtgtttattt tgctattttt 120
gtncgtgttt tttaancccc ttganttaaa aacctaaatg cccaaaataa cttgtnaggc 180
tataaattnc cctgantatt gcttcantng tatcacaaaa gttttgaaa 229
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<210> 3060

<211> 67

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

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<220>

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<222> (29)

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<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3060

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gaaaaaat 67
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<210> 3061

<211> 116

<212> DNA

<213> Homo sapiens

<220>

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<222> (108)

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2581

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<222> (114)
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<220>
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attacaattc actggccgctc gttttacaac gtcgtgactg ggaaccnnaa aannnn 116

<210> 3062
<211> 236
<212> DNA
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<220>
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<220>
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<220>

2582

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<222> (230)
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tgttgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120
natgataatg aaatacctat aataaaattc ggagaaaagg anagtaaaat ttatcaaaat 180
atttgtccnc ccnggagggtg tatttcctct ttataatggt nctctctatn gcatag 236

<210> 3063
<211> 56
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<400> 3063
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<210> 3064
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<212> DNA

2583

<213> Homo sapiens

<220>

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<400> 3064

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acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaaggt cattatattc 180
tcanagatcc tttgtgccat taagtaattt gattttttata tgccaaatcc ttttgatttt 240
tcttgttttg atttcttatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaattat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcttc tgtcaaatta ttgaagggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantgggttc caatntncat ggaaggaatc cccgaacttt acaaattccc ccnctaattc 480
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2584

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515

<210> 3065

<211> 105

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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<210> 3066

<211> 542

<212> DNA

<213> Homo sapiens

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2585

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2586

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<220>
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 atgggttaaaa acaccttttg gactanagca aatcactgtt tttaatatga caanattgag 180
 gctatataat ttaaattccca tttcactact cctaagccaa ctttctgaaa ctcttaattn 240
 aactatcctt tgtnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300
 aaaaaatgac ccttctgata gggtttttaa ataattaact ccaaantgat tttatttttt 360
 tcccaaatan tgggttggtan tttggcgng gaaaaccnta attttttaaac attgtgttcc 420
 ttattttccca ttttttcccn ntncctntan aattatattt tatattttgc tttcttcccc 480
 naaangattt taaaccccca tttnttttnt ttccttataa aatcncngtt ngttnagtta 540
 tt 542

<210> 3067
 <211> 540
 <212> DNA
 <213> Homo sapiens

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2588

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2589

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gcataacttat taatttttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180
accaggaata ctgagcancc caaaatgact tgtatgtagc tttaaaatgt gcttttagttt 240
tttttcaaatt ttgtttncct aaggctaata tnanatgttn agcataaact tacattttgt 300
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360
tgattatttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaaa 420

2590

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggctctntca 480
atttgaatcn aatatnagtt attaatacncn anttatatag ctttaattta agtttttgan 540

<210> 3068

<211> 534

<212> DNA

<213> Homo sapiens

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<220>

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<222> (324)

2591

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<220>

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<220>

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<222> (347)

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<220>

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<220>

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<220>

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2592

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<220>
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gttgggcctc tgtttttctc agaacgggga cnatcatggc ccccgccctc tggantgaag 120
gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180
accctgggtcc cgggtgtctt gccggcctca caccgccttc cctctanttc cagttgttcc 240
tgagttaaagt ggaaganacg ttccantgta tctgctgtca ngactgggtgt tccggcccat 300
cacgaccgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360
angtnntcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacaa 420
ctctgcaaac gtcctcaacc actctccccg gctacggnat tgccggtgaa ctccaagcat 480
tctcganagg ggttttgcta aaaactntcg aagggnctc accggactta attt 534

<210> 3069
<211> 538
<212> DNA
<213> Homo sapiens

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<220>
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2593

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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (534)
<223> n equals a,t,g, or c

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tttcattttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180
ggaatagctt gaattactac ataagttctc tganaatatt aagttcattt aggggaacag 240

2594

gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300
atgttatttaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360
aaaagcttta tgaaagtatc ngaacataag gaagatcggg tngttaacag aagactttca 420
ttgtgggtatt anttatatga ttcattgttaa atntatcata gtgaaattat gctcttctta 480
cttgtaattt acaaataattc ttaatatctt ttaattcttc ttaanaaaaa accngggc 538

<210> 3070

<211> 242

<212> DNA

<213> Homo sapiens

<220>

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<222> (87)

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<220>

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<222> (104)

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<222> (211)

<223> n equals a,t,g, or c

2595

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catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attcccggt 120
taccctttca acgccccaan ttgggggggcc ctcccaaata atttccnttt ttaaattctn 180
ggcccttctt ttccccctta acnaacaatt nccccggggg cncaaaaggg gccctttaat 240
tt 242

<210> 3071
<211> 64
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (35)
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<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3071
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tnta 64

<210> 3072
<211> 427
<212> DNA
<213> Homo sapiens

2596

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<220>
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<222> (45)
<223> n equals a,t,g, or c

<220>
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2597

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gtgaaaaaat cagtatgtgt tgtggtanct gcttgatag gggtagcatc ttgtctggga 180
ntgtatacct atgctagttt cctccttttt attttttgcc ttcattcttc tgaatttaca 240
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaagggtta 300
tgaanccnga aggaattgaa aaccaaataa attaatttta taaattaaag ttaccattac 360
atccanaatt ggccgaaaaa ttccccncc tcacncttgt ttgtcttggg caaatgttta 420
nttnata - 427

<210> 3073
<211> 217
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
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<220>
<221> misc feature
<222> (186)
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<220>
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<220>
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2598

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<400> 3073

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gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tcccaagggt 180
gggtcntaat ttttttttaa aattttanta aanattt 217
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<210> 3074

<211> 529

<212> DNA

<213> Homo sapiens

<220>

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2599

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2600

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<400> 3074

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tggagttggc atgcagtgaac acctacagta tttatcaata tgtantcagt aactgtattt 120
ttgatcagct tcctttactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttntctccc aaatcattat gccctgtctt tttgttattc taaaattaag aaataggggtc 240
ttaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcagggg taaaactgtg ggccaacaat attttccaaa ngnacaaaac anctcctatn 360
gaaaaaaatt ganaattgan tatatgaacc aaacatntac tccttttcca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aattttcnna aactatgaat 480
taaaaatttt ttaatgggtt tccatctgan tcctgaaacc caaatangt 529
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<210> 3075

<211> 411

<212> DNA

<213> Homo sapiens

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<222> (9)

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<222> (106)

2601

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<222> (109)

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2602

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<220>
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aaacatcagc ttttctgttt ttttncacca tataaattan agtntnctnt cgaanaatgg 120
gtggtgggta tggtaacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180
nttcagcgaa ttttactgtc ttgcanaatt tgggggatta cnaaatggaa aactgctata 240
taatnttcgn caaaaatgat tgcatttgtgt gacttatatc ctntctattta ttggcttgag 300
tgcanggana ttttataaaa aaatctgggt tgggttatca aanatcttng antggggatc 360
aaanaatgct gggaaatttc ngagctaaac tggaattaat cttaggaaac t 411

<210> 3076
<211> 56
<212> DNA
<213> Homo sapiens

<220>

2603

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<222> (40)
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<400> 3076
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<210> 3077
<211> 103
<212> DNA
<213> Homo sapiens

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<222> (100)
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<220>
<221> misc feature
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2604

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tggccgctcgt ttacaacgt cgtgactggg aaaaccaaannnn 103

<210> 3078

<211> 422

<212> DNA

<213> Homo sapiens

<220>

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<222> (71)

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<222> (138)

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<222> (177)

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<220>

<221> misc feature

<222> (237)

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<220>

<221> misc feature

<222> (260)

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<220>

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<220>

2605

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cataaatcca nagcttactg gtggttgtct gaaaaanac acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaatggta tttgaatata agtaaatcaa aagtgtcgtt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaacc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tcccaaaaac aatgttggga attgttttcc 360
aattttcctt ttgaaaacct ccaaaaattt taaattcatt acctttttac ctncanttt 420
tt 422

<210> 3079
<211> 484
<212> DNA
<213> Homo sapiens

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<222> (93)
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<220>
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<220>
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2606

<222> (415)
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<222> (451)
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<222> (455)
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<222> (457)
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tataaccaag cataatntag caaggactaa cccctataacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300
ggcgacaaac ctaccgagcc tggatgatagc tggttgtcca aaataaatct tagttcactt 360
taaatTTGCC cacagaacct ctaaattccct tntaaattta actgttagtc caaanaagaa 420
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480
ctaa 484

<210> 3080
<211> 471
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (155)
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<222> (203)
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<220>
<221> misc feature

2607

<222> (245)

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<222> (319)

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<220>

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<222> (327)

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<222> (434)

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<222> (454)

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<222> (470)

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<400> 3080

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tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120
taacccttat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180
gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca caccctcta 240
tgtancaaaa tagtgggaag atttataggt agaggcgaca aacctaccga gcctggtgat 300
agctggttgt ccaaaatana atcttanttc aactttaaat ttgccacag aacctctaa 360
atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420
accttggttaa ananagtaaa aaatttaaca ccnnttagta ggcctaaan c 471

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<210> 3081

<211> 103

<212> DNA

2608

<213> Homo sapiens

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<222> (100)

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<222> (101)

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<222> (102)

<223> n equals a,t,g, or c

<220>

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<222> (103)

<223> n equals a,t,g, or c

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tggccgctcgt tttacaacgt cgtgactggg aaaacccaan nnn 103

<210> 3082

<211> 374

<212> DNA

<213> Homo sapiens

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2609

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<220>
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 acttcttatc cctggagctg ggctttcact gctacccata tcccagccct gcgagtctgt 120
 tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180
 caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240
 gtccaacaca ggattttctt taaatgtttc aaaaacatgt ccttaaaaact tcancctgct 300
 tcttagcnag tgggccagtt ttgcttaaaa ctggtgnggg ggcnngggga aaatttttta 360
 aaaantgcca aaaa 374

<210> 3083
 <211> 516
 <212> DNA
 <213> Homo sapiens

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<220>
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2610

<222> (281)
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<222> (355)
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<220>
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<222> (388)
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<220>
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<220>
<221> misc feature
<222> (399)
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<222> (494)
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<220>
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<222> (498)

2611

<223> n equals a,t,g, or c

<400> 3083

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caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaattttta agtgtggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttaagaaat aattgtagtt 300
cttgtgtggt ggcacaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcatecct ttcttttttt cctgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaataact tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcttgg 516
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<210> 3084

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (96)

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<400> 3084

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tggccgctcgt tttacaacgt cgtgactggg aaaccnaaa 99
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<210> 3085

<211> 463

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (43)

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<221> misc feature

<222> (215)

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<220>

<221> misc feature

<222> (243)

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2612

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 <222> (254)
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<220>
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<220>
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 <222> (309)
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<220>
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 <222> (317)
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<220>
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 <222> (334)
 <223> n equals a,t,g, or c

<220>
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 <222> (354)
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 tgtattaaat tcattcattt aataaaaataa tatgaattgc atgcccacag tgtatcaaac 120
 ctggcactgg gcaccttggt gctgtaggtt cagtgagcca tggcctctgt atcatgggtcc 180
 agatcatgtg tttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240
 tantgatata aaanaaaagt atagtttcga tnaaattgaa caatgggagg tctaaataaa 300
 tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360
 aggcacccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtactt 420
 atgcaaattt gttcaaaata atcattcccc ggacttcaaa tcc 463

<210> 3086
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (69)
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2613

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
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<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
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<220>
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<221> misc feature
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<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
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<220>

2614

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<222> (389)
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<220>
<221> misc feature
<222> (394)
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<220>
<221> misc feature
<222> (470)
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<222> (505)
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<221> misc feature
<222> (517)
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<400> 3086
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ttgagaaana caaaagaagg ggttggctca ttggaatcag ctggacagct tttcaaaagc 120
tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180
tttatgatcc cagttagtct gatttcatta actgatacag atngtttgct ttcattaact 240
atatttggcc tctgttaaca tatcttaagt tatgtttnaa canttttttc ttttannagg 300
tttgttggga aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtnctt 360
angtttcctg ggaatctcca ntggggttna aacnaatccc gggccttgaa tccccaccaa 420
tactcttctc ttgggctctg ttttattaat aaaaaggaac ctgggaaaan aacaaattaa 480
tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc 523

<210> 3087
<211> 351
<212> DNA
<213> Homo sapiens

<220>

2615

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<222> (24)
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<222> (61)
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<222> (111)
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<220>
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cccctaaaaa accctttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaacctt aatgattttt ncttcnaaat ttnccttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaaggga accttcccccc aancctttggt 300
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aaaagaaact tttaggggct tgggnaaccc nccccnaaa aaaaanttan aaaaaantnt 300
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naaaaattcc ctttccccct ttttgggggg aangnnaaaa nnnnnnaaaa ntttncccc 420
ccccccctt tnaaatttgg aaaaactttg gccccccctt ttttgaaaan tttttaaaaa 480
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 tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180
 gttcatctct gtattccacc agaaggtaca gtgactcata actagagtct ttanatgaaa 240
 cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300
 gagatagacc ttgaatttaa taaatttttag gcactatacc atttcagtgg anaaaattgt 360
 tgggaaattt ggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420
 gcttccattg gtctgggggt actaaccatt tcttcctgaa tgggtgcctag tatatcccca 480
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ataaaaaataa gggcactgat ncgtntggta cttgtctnaa atggttattc ttcagtngtt 240
caaagggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300
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aaacatgaaa gaaaataaatt gatttataac cctttttaaa gcagaggcac ataagtctat 180
agagtgggtac tgtnagtgtg tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttgggttg gaaacttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctcnt gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
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gatttcanaan caattggcag cagtgcctc tttcccggtc ttggggccctc ttcaagtctc 420
ncctgaaccg tggcctcacc gagtcaaaan ngagttnctt ccgctgcacc aaacacacct 480
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tatgtttgcc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180
ctacatgtga ttttcctgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240

2632

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aatgtaaatt agtctccana tccttgtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
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ggaaaggacc agttccccctt attccaactt agcatcactg aatttgtctt tggcaaatgg 180
gctttcctca agtcctgctc tgtgtttcag caaggacagg aagtanactg cctcttggtgt 240
tacttgaaga ncagtgttag gggagtgccct angggctcaa ggaagtantc ttctttctgt 300
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2634

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2635

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tnagggaaaa ncataaattt ntagttaaat ngccttcata ctgtggattt ttcctcctac 120
taantaatat gtnggaaatt aagattacac atgttctggg tccccctcaa ccctacattg 180
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc 348

<210> 3097
<211> 564
<212> DNA
<213> Homo sapiens

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2636

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2637

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tcttgaaagt caaaggtgat gattaatttc atttagcagg ggaagtggaa taatatcttt 120
tgaaataaact aagtcacta aattatacag tatgctattc tggttctaag tacatattan 180
tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240
aaaaaacata ttacacaatg tggtaantaat angtgttaag gaangtaatt ttttccatag 300
tgggtatgcn aacntttcnt ttgaaatttt tccttanatt taaagacttt ngggaaataa 360
aaattngcag ccaaccaaatt tccttgaata gaattttatn cctactttgg ggaaaaaatt 420
attttttggt tnccaaaant tatttttagt tattccttta gaaaatttga aattttancc 480
cantttaggg cttttaattg gaacctttnc ccaaagttga aaccttttac cttgaaaccc 540
ccaatttttt ttttttttnc attg 564

<210> 3098
<211> 115
<212> DNA
<213> Homo sapiens

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2638

<220>
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<220>
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tggccgtcct tttacaacgt cgtgactggg aaaaccaaaa cttnnngggat cnaaa 115

<210> 3099
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<212> DNA
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<220>
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2639

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<220>
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<220>
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2640

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ctggtgatgt atggacatca gagtaatatg gcctatatca gtttttcatg attggtgggtt 180
ttttattggt gttttttctc cctacctctc cttattttct cttcctagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaataaatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnttttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctctcctctt ccataatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
atcatttctt gtccttccct tgnnaccttc ctcttttnac cccttccatt a 591
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<211> 104

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (34)

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<400> 3100

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tacaaaaatnt tcttcgaccc cgtgggaaga agataccat tcta 104
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<210> 3101

<211> 79

<212> DNA

2641

<213> Homo sapiens

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<220>

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<220>

<221> misc feature

<222> (34)

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<210> 3102

<211> 734

<212> DNA

<213> Homo sapiens

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<220>

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2642

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<220>
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<220>

2643

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<220>
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2644

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2645

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<222> (681)

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<400> 3102

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ttggtcctag agaattaatc atttaaaaga acctctcatt aaatatgaaa gatthttataa 120
tttgcaaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttggt 180
atttaaaacca ttaattagaa actacttatt tctgaaattt ggcataggct tgaaggaaat 240
ttgggtttta ancattttat tcctttttac tgtctaccaa aggggggctta cccngccaa 300
aaattttggt ttnnnaatcc naaccceaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaaacccc aaattttttt tttttgaaaa aattttttct ttttttttna 420
aaaaagcccc ttantttttt ttnaaatang gnttttttta aaaattggnc cccnnntttt 480
ttantttaaa ntttttttaa aaaaaaaaaa ttttaattgt ttttttnaaa aaatttnccc 540
cccctttaaa antttttccc cacnnagggt tttccccngg ntttttnana aaaaaatttt 600
tttttttaaa aaattttnt tttttggggg gtttttttan tttccccctt ccctttcccc 660
aaattttngg ttttaaccct nttttttccc ccccaaaatt tccccctccc cgttttcccca 720
aaaaattccc ccca 734
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<210> 3103

<211> 361

<212> DNA

<213> Homo sapiens

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2646

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<220>
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<222> (332)
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<220>
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<222> (338)
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<220>
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2647

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<222> (347)
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ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacgggtgt gaccttgga 120
ccgagacgtg caactgtcca aggctctgtc ctatgccctg cgccatgggg ccttgaactg 180
gggcttccca tggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300
ngcctgtcct gccagggaag gaccacatt cnccttgncc cangaantgc ctggaaaacc 360
c 361

<210> 3104
<211> 61
<212> DNA
<213> Homo sapiens

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<220>
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<222> (45)
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<220>
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<222> (53)
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<220>
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<220>
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<222> (60)
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<400> 3104
gcgggcacgag gtaactagtc ttgagttttt tttttttttt ttanntttaa atncnttttn 60
c 61

<210> 3105
<211> 347
<212> DNA

2648

<213> Homo sapiens

<220>

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<222> (51)

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<220>

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<222> (108)

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<222> (255)

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<222> (281)

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<220>

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<222> (338)

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<400> 3105

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ttgcagactg gcttacagcc ctctggtaaa agaattgcag actttcangt gggtaggatg 120
agggattgct gctgctctag gtgcaaatgg attctattta tgtggttttg aataataatc 180
tgggatgttt gcaaaacttta cagttcatta tctttcccta taaacaagat gggttgggggt 240
tttctagctc tacantgagc attantccaa ccangtttga ntacagctgg agcaaaaaaa 300
ttacttgttt tttttttttt aaatgggcaa ggaacaantt tttttttt 347
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<210> 3106

<211> 419

<212> DNA

<213> Homo sapiens

<220>

2649

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<220>
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<220>
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<222> (268)
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<220>
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<222> (274)
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<222> (407)
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<220>
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gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtacca 120
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatata 180
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaataccg 240
aggttcccta gctttggaat attanatnct attnaaagaa atgagattgg gaacattaat 300
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360

2650

cacctggctg aagtttagtc ctctacctc cttggaatgc cncctnctt cccccntn 419

<210> 3107

<211> 103

<212> DNA

<213> Homo sapiens

<220>

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<222> (44)

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<222> (89)

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<222> (91)

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<222> (99)

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<400> 3107

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ttgttaaaat ttcgaacaa aaaaaagcna ncccgttcna aac 103

<210> 3108

<211> 153

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (10)

<223> n equals a,t,g, or c

2651

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<222> (28)
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<222> (50)
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<220>
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<223> n equals a,t,g, or c

<400> 3108
ntttattggn tgtacttggtc aaccaaanaa catanctctt aaaccagaan tttaagaatc 60
ttaatgggaa atttttggac ttgaatctgg gtccaaaatt tgggtngccc tttccgttnc 120
aagtttctta aantttctcc ggttttcnnaa naa 153

<210> 3109
<211> 472
<212> DNA
<213> Homo sapiens

<220>

2652

<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (111)
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<222> (247)
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<220>
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<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2653

<222> (442)
<223> n equals a,t,g, or c

<220>
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<220>
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cccatccatg gaatgctact ccattactga ctttctcaaa tgaattgaga ngctctcaaag 120
gcagagacta tgagtactc atttttgtat ctccatagcag agcacagctc tggtgcggat 180
gggacccctc acaataatgt ttacatagtt taattaaatt cagaaagtta tcattcattt 240
gcagaanaaa ttactggtaa tgaagtacta tgcagtgttc cattctgcag aagactaata 300
cctgctaaaa catttctgtt taatatttga taacaaatta tcccttncca aagggaactat 360
tgctaacttc cccacccctt gacatttaac cctccagata cctcctggga caatgggttat 420
ggcaactgga atctntatnt cncaaatgaa anccctcccn cgaattgaat ta 472

<210> 3110
<211> 103
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (80)
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<220>
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<222> (83)
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<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
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<222> (102)

2654

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<400> 3110

gtcggcacga gggggggccc ggtacccaat tcgccctata gtgagtcnta ttacaattca 60
ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant 103

<210> 3111

<211> 183

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

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<222> (9)

<223> n equals a,t,g, or c

<220>

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<222> (72)

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<220>

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<222> (80)

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<222> (130)

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<220>

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<220>

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<222> (149)

<223> n equals a,t,g, or c

2655

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<221> misc feature
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<220>
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<400> 3111
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ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata agtataggc 120
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaag atgaganaat 180
tat 183

<210> 3112
<211> 157
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (36)
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<220>
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<220>
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<222> (65)
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<220>
<221> misc feature
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2656

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<222> (104)
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<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

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aatcncctcc atggggggttc caattttcct ttctccaggc cnanttttaa aanaaacccc 120
ctccccccga ggttccccctt tnaccttccc aagttcc 157

<210> 3113
<211> 77
<212> DNA
<213> Homo sapiens

<220>
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<222> (60)
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<220>
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<220>
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<222> (66)
<223> n equals a,t,g, or c

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<222> (71)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3113

2657

gggaaatgga gacgggtcatc cctgtagatg tcatgatgca aggggggata aaggtcaccn 60
ttncangcct ngntgga 77

<210> 3114
<211> 112
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

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<222> (58)
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<222> (94)
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<220>
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<222> (104)
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<400> 3114
ccttgnggnc tcttaatcag aggcttccgc gggggentaac gntctaaatt ttagtggnntt 60
ccggggctgc aggaattcgg cacggggccc ccnggtccc ccanaatttt tt 112

<210> 3115
<211> 530
<212> DNA
<213> Homo sapiens

2658

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2659

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<220>
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<220>
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<221> misc feature
<222> (393)
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<220>
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<222> (469)
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<220>
<221> misc feature
<222> (473)
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<220>
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<222> (474)
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<220>
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<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
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<400> 3115

2660

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gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgttctcac accaccacag atgggacgtg tgcattctcc ttnagacctc 180
catgcaggcc gtccccctgc agccgacctg cccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttccgg ggctgtgttt acnggcgtgg tgtcatgtgt 300
gaacatcatt ccangaaaag gggcctcctc aagggttaagt ggggtctnna tgttaacctc 360
gcagatgggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttccctg cctccaaggg gaagctgcnc ccnnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan 530
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<210> 3116

<211> 549

<212> DNA

<213> Homo sapiens

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<222> (211)

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<220>

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<222> (237)

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<220>

<221> misc feature

<222> (244)

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<222> (287)

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<222> (291)

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<220>

2661

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<220>
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<222> (360)
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<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
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<220>
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<222> (428)
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<220>
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<222> (445)
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<220>
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2662

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

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<220>

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<221> misc feature

<222> (511)

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<220>

<221> misc feature

<222> (519)

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<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 3116

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tcctcgtcca cccctacccc ccggctccgt tgctctttcc ctcccgggac ccgccgcgcg 120
cccgccccgc gcgcccgcag tccccctctc actttctccc aacctcgccc tcccacagac 180
gtgccccggtg ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240
tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcnent nctgccccgg 300
cagcctttgt gacacgganc cctccggctg cctgctcctc ncncctcgca tgggtctgcn 360
acattgtggc aattccagan ncttttattg tttgaaaaca gatacnenca attggctttg 420
ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480
caaatcagcc tcanaatgan ttctgatitt ntcaaacang cgttatttat ttaaaaattt 540
tccaacntc                                     549

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<210> 3117

<211> 503

<212> DNA

<213> Homo sapiens

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<220>

2663

<221> misc feature
<222> (148)
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<220>
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<220>
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<222> (167)
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<220>
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<222> (283)
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<220>
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<222> (347)
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<220>
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<222> (374)
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<220>
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<220>
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2664

<222> (498)

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<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<400> 3117

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tttccctgcg agacgcacac agctgagcac ttagcaggca ccgccacgtc ccagcatccc 120
tggagcanga gccccgccac agccttcngg acngaaattt tgggatnttc ccaagccgac 180
cttccctccg ctttctccca catgaggcca tctcaggaga tggaaggctt ggccagcgcc 240
aagtaaacag ggtacctcaa gccccatttc ctcacactaa ganggcagac tgtgaattga 300
ctgggttgag accaaaccgg tccctgtcct ctagttgcct tctttanacc tccggggcca 360
tcctcatccc tgantggcn aaccttgctt tcctgggctt tgccagatgc ttggtttgtt 420
aagtttttaa atatatattt gttctttgtg gaaaaaatnt ttttttttgc aaggggcccc 480
ccaaggcttg gganaaangt ntc 503
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<210> 3118

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (69)

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<220>

<221> misc feature

2665

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<220>
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<220>
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<220>
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<222> (190)
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<220>
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2666

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<220>

<221> misc feature

<222> (216)

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<220>

<221> misc feature

<222> (228)

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<220>

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<222> (234)

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<400> 3118

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tcataatcana cttttcaatt atgtaggtgg tttaatgtgc atgctgttna gtnaatncct 120
naggaagnat ctgggananaa tatccctnaa tectanagtn ttcaataaaa catgcctgtg 180
actcttatgn attaaagggtc attttgtctt ctnatnaaat ttctggcnca tatnttcttt 240
ccttgatttg cttaaacatt tt                                     262
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<210> 3119

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

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<221> misc feature

2667

<222> (86)

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ttaccttttg ttctnaataa gtctcncata aatgagtgca 100

<210> 3120

<211> 176

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (56)

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<221> misc feature

<222> (131)

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<222> (144)

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<221> misc feature

<222> (170)

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2668

<220>
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<222> (172)
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aaaatttttgn nttccaaatg ttgntcctca ccaggectat atattcatca tttattggat 120
attcattctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt 176

<210> 3121
<211> 103
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<220>
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<222> (100)
<223> n equals a,t,g, or c

<220>
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<222> (102)
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<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3121
gcgggcacgan gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactggg aacccaaaaa nnn 103

<210> 3122
<211> 125
<212> DNA
<213> Homo sapiens

<220>

2669

<221> misc feature
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<220>
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<222> (47)
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<220>
<221> misc feature
<222> (50)
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<220>
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<222> (58)
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<220>
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<222> (77)
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<220>
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<400> 3122
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agattttcct ggaaacnttt ggggggggga aatttttggg gttccaggtg gcgggaaccc 120
ggaan 125

<210> 3123
<211> 107
<212> DNA
<213> Homo sapiens

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2670

<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
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<220>
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<222> (107)
<223> n equals a,t,g, or c

<400> 3123
gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgcccgctgt tttaacaact cgtgactggg aaaacccaaa tnnnnnn 107

<210> 3124
<211> 72
<212> DNA
<213> Homo sapiens

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<222> (70)
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<222> (72)
<223> n equals a,t,g, or c

<400> 3124
gtctaggact gggttggtg ctttaaaata gatattgtag ttcagtgctg gctacatggg 60
ggganacggn an 72

<210> 3125
<211> 571
<212> DNA
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2671

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<220>

2672

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ctttggctct ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180
ctcccagcaa ctccaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240
antggatcca tctgancat nacaantncc acccatnaac aacactgcgg tgctaagcta 300
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaatata 360

2673

aatcaaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480
gggctctcca tgggcactct gcactnaaac aaattgcgc nttctgtatg gtgcttggtc 540
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<210> 3126

<211> 127

<212> DNA

<213> Homo sapiens

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<220>

2674

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ccgctctaga actagtggat cccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120
nggtcaa 127

<210> 3127
<211> 99
<212> DNA
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<220>
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2675

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aantccaccn aaggtgtgcg gccgctctan gnactagtg 99

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<211> 99
<212> DNA
<213> Homo sapiens

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2676

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gtgtgcanac gctctagaac tagtggatcc cccgggctg 99

<210> 3129
<211> 101
<212> DNA
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<222> (73)
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cgggctgcag gnncaaacc actccacctt actaccagac a 101

<210> 3130
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2677

<212> DNA
<213> Homo sapiens

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<222> (113)
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<222> (154)

2678

<223> n equals a,t,g, or c

<400> 3130

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ctgcaggaat tcgagcacga ggaggcggtc agctgcttca agatgannct gancatctcc 120
ttcccagcca ctggctgcca aaanctcatt gaangtg                               157
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<210> 3131

<211> 414

<212> DNA

<213> Homo sapiens

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2679

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ctaattgccaa tcaactccaa tttaaagatt atggccacat actactttga aaagtttgta 120
gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180
aagaaacata tttagatatn ttttgacaga ggatcatnag natttatgtg tttgaatctt 240

2680

aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatggttggt 300
aagaatttaa tctgaattta ttcaagttac ttttggtcta ctggnannca tagtacttta 360
gtttatatct tgcaagagat aacctgctg tgtancataa tntgggtaaa atat 414

<210> 3132

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<222> (99)

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<220>

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<222> (103)

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agcctggttt ctcgctttaa cngccaaant agggaaaata ggctggagct ccaccnaggt 60
ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg 112

<210> 3133

<211> 411

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (109)

2681

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<222> (273)

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2682

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<220>
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aaggctgctt tagctgtgga tgcccttgat taagggagag agcgcctang agctgcctgc 120
cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180
cagtggaaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240
nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatattc 300
tgtgggtttta aaaaagaatt taatgttttt gggtgtatnt ttttgggggg gtgncggtgg 360
ncagaaacat gggggtagtt ctgagttgnt aagaaatggt tctgnaatca a 411

<210> 3134
<211> 92
<212> DNA
<213> Homo sapiens

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<220>

2683

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<220>
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gctcgtgccg aattcngaac gaacanaaca ttctactggga ngcatataat ttctattcaa 60
ggtngtattg aatgatgggt angttaatat ta 92

<210> 3135
<211> 99
<212> DNA
<213> Homo sapiens

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2684

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ctccaccaag gtgtntggcc gctctaggaa ttagtggnn 99
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<210> 3136

<211> 94

<212> DNA

<213> Homo sapiens

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actangaata ctttggtttt agccaaatca tcac 94
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<210> 3137

2685

<211> 414
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<220>
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2686

<222> (264)
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<220>
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attcccggtg cgaccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120

2687

ctagtccttg ncatttagaa gctggccttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attactttta tttctactga ttttattttg ggatactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttgnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac cnttaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt 414

<210> 3138

<211> 62

<212> DNA

<213> Homo sapiens

<220>

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<221> misc feature

<222> (61)

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<400> 3138

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nt 62

<210> 3139

<211> 379

<212> DNA

<213> Homo sapiens

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2688

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<220>
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<222> (369)
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cctattttcan atttacgaat ctcaaaactc taagatagag attatggcat ctagtcaaatt 120
actattttgaa atactacgta ctctcaaagt ttttaataaca aaatggtaaa aattatattg 180
aaggttcagt ctcttcagat tctttaaagac tttgtgaatt atataggcag gatttaagga 240
tagcatctcc acctaatgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300
tcttgttgct tcttgaaaagc atgggcttgg gtctgccaca tgtttggggc gcncnagcat 360
tntgggaang gaaaaaagg 379

<210> 3140
<211> 129
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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2689

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<220>

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<400> 3140

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ggtcgantca agcgtccgct caccgncggc ggaaggaaaa tcccncaatt cangaggaaa 120
ctgaatcac 129

<210> 3141

<211> 259

<212> DNA

<213> Homo sapiens

<220>

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2690

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2691

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naatgtactg gatntcaaca cacagtccan agacagtcac tctancaaaa gcttagtgtn 120
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcagtctgt 180
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240
tntaatccca ntactccta 259

<210> 3142
<211> 388
<212> DNA
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2692

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gaatgtttctg gattttcaaca cacagtccac agacagccat tctatcaaaa gcttagtggt 120
ttccctatga ctgggttttc tggtaagggtg aactaaggca tcctttttcca tttcaggctg 180
tggtaacagc agataacagc cgcagangtc atagccagca ctttttctatg cgtcccttca 240
tttaatccca gtactcctan gtggtanatc tatnatnttg gtccacatga attattgaaa 300
antctgtcct aaatttttaa tggaacaaan tatgggtttg caattttactg gtggtggttc 360
ncaggaaata ctacgacaat ngganttt 388

<210> 3143
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<220>

2693

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<220>
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<220>
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<222> (410)
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<220>
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2694

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<400> 3143

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ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcncnac nccgttttaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaaa ggggggcg 439
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<210> 3144

<211> 79

<212> DNA

<213> Homo sapiens

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<222> (76)

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<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 3144

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cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt 79
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<210> 3145

<211> 247

<212> DNA

<213> Homo sapiens

2695

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<220>
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2696

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<220>
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<220>
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<222> (226)
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<220>
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<222> (234)
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<400> 3145
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ttaaccnnag atccccggga aaatttcccc cgggggggttc cggaaaccca acggccgggtt 120
cccggcntaa ttcaatacta annnaaaaaa ccccaaacc ccaatnggaac ccccttaaac 180
caangggggg ggccctcctc caagccctc ccnaaaattg gaaccncccg gggncccaac 240
ccaatgt 247

<210> 3146
<211> 485
<212> DNA
<213> Homo sapiens

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2697

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<222> (469)
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gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180
gcatccacaa ttgaacgcgt cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240
tggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300
ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360
gttatatcag cgggnaatga aaaatttcca gaatgccata ggggaagggt gttcctnnat 420
ggtcgcacat ttaaaagggt ccccaatacn tttggtgtta tagaaatgnc agaaattgca 480
ttngc 485

<210> 3147
<211> 242
<212> DNA
<213> Homo sapiens

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<220>
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<222> (52)
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2698

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<220>
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<220>
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<220>
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<220>
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2699

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<222> (223)
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<220>
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<222> (234)
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acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120
tggtcagccc tcctgatect cacaggtgga taagtgaggn ctaccagaca ggggagccta 180
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggg 240
ga 242

<210> 3148
<211> 324
<212> DNA
<213> Homo sapiens

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2700

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<220>
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<220>
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 <222> (221)
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<220>
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<220>
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<220>
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 tatgaaaata acaatatctg caatgagcct taaaggatga acaatatcc canaaacana 120
 ttttggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180
 aagcntcatt aaagtgcna gaagtngcaa tattcntgaa ntgtttgggg aaacaaacat 240
 accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300
 taaggaaaatc caanttccat naaa 324

<210> 3149
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2701

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (15)

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<220>

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<222> (35)

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<220>

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<222> (56)

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<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<400> 3149

gactgtcgcg cccntctctc gttcaaaaaa tgggnncctg ggcccaaaag caantntttg 60
gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150

<211> 105

<212> DNA

<213> Homo sapiens

2702

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<222> (29)
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<220>
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<222> (33)
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<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3150
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ggggtgtcan tttttaangg gcccatattt ttacgggtg taana 105

<210> 3151
<211> 274
<212> DNA
<213> Homo sapiens

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<220>

2703

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<222> (10)
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<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
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<220>
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2704

<222> (252)
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<222> (257)
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<220>
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<222> (258)
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gatacctagca tnttaaaatt cagttgttac attgggatcc cacatantat nttgtcatct 120
atatnagggt ggatgagggc tnaaatttca tcttgggtct nggaacagat tcatgggcac 180
acattttata acgattgggtc ctgagttctg caaattaaga anctccaatc ttnttgattc 240
cccaccggta gnaacannat gcattgagta atat 274

<210> 3152
<211> 546
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<222> (312)
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<220>
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<220>

2705

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<222> (380)
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<220>
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<222> (412)
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<220>
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<222> (463)
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<220>
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<222> (467)
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<220>
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<222> (469)
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<220>
<221> misc feature

2706

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<220>
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<222> (505)
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<220>
<221> misc feature
<222> (507)
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<220>
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ttcttttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcagggtctg 120
ctctgtgacc tgtgatggag tcagtagggg cctcaaagcc cagcctcttc agtcttcctt 180
cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240
tgcgagaatg gtgtttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300
atganaaaact anttaggaaa agaaaagcttt catgaacact ttactatggt gccacangct 360
ttaaaggaaa tccnccttan gttattctca caanaaaccc tatttttaa at cngttcatta 420
tncccattnn ttaggcttga anggaacaca atccttttga cangttnant taactcttcc 480
caggctcac aantaaatnt caaangntga atggaaaccca ggnttggcca actcaagggg 540
tggttct 546

<210> 3153
<211> 548
<212> DNA
<213> Homo sapiens

<220>
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<222> (323)
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<220>
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<222> (351)
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<220>

2707

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<220>
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<222> (435)
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<222> (449)
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<222> (500)
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<220>
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gtggaaacat aaggaataca gaaagaatgc aaggagatag accaacgtga gattctcctt 120
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaag 240
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300
gttagcaaaa atggggattg ganattccca ggaaggaaa atgcccgggg nttaattggg 360
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420
ctgttttttt ccaantgaaa gaaagttnng gggccccaag gaatgggatt tggaaaaact 480
tttcccccca agttcccccn gaaacttaat taaatttggg tgccttaaag gantcccaaa 540
ccccgggg 548

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2708

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<222> (166)
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<222> (252)
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<223> n equals a,t,g, or c

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<222> (291)
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cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

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<213> Homo sapiens

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2709

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<220>
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<222> (208)
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caaaggccag atgggttttgc cgantcccc ctgctantgt ggggggancc cacttttctgc 120
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180
cccttgttct tcctccccnc ccacangnaa tcctg 215

2710

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<211> 164

<212> DNA

<213> Homo sapiens

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<220>

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<222> (148)

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<222> (150)

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<222> (163)

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2711

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aacccecggg ggggtttccc tnttgggggg gaaaaaattt ttcccccccc ccggggggggg 120
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164

<210> 3157
<211> 556
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (128)
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2712

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<220>
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2713

<222> (546)

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<221> misc feature

<222> (554)

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gtgggaggcg gcggccccc accctccata ntccttcgc cctctgctan caccgaagtt 120
tagcccanga cgggggccgt ttaagggccc ggccctccgc cgccgcgcac gtganccgca 180
ccaggaagct ggctgggcgc agccttcctt gaagctcgtt ggcaccggcc gcacgcntcc 240
atcccgggcc tctganccga aggggaaccg aagctagaag gaaggcgcac tctgccc aan 300
gtcnccggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360
agggcggttaa caagaactcc taagcgaaaa naaaaacttg aacanttggt aaaancctaa 420
ggttttgggg ctttccttga aatttncccc caagggggggg ttttttgaaa aaaattgggg 480
gaaccaaagg ggtttccctt taaaaaaagg gnaaccgggt ttaggcnttt ncccttgaaa 540
ggaaanggtt tatncc 556
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<210> 3158

<211> 112

<212> DNA

<213> Homo sapiens

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<220>

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<222> (79)

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<220>

<221> misc feature

<222> (88)

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<220>

<221> misc feature

<222> (112)

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<400> 3158

2714

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tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159

<211> 245

<212> DNA

<213> Homo sapiens

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<222> (133)

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<220>

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<222> (136)

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<222> (199)

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<222> (245)

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cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggagggtt 120

2715

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180
tctggacccc tccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240
gaann 245

<210> 3160

<211> 99

<212> DNA

<213> Homo sapiens

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2716

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gcntatnang gtttcaccgg tcattccgtc angttctgt 99

<210> 3161

<211> 305

<212> DNA

<213> Homo sapiens

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<222> (195)

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<222> (267)

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2717

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<220>
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<222> (286)
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<220>
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aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacagggt gagntgacaa 120
agaaaaggca acagttgggt acggtggcca gggtgaccgc cacgaagagg ggttgcggtg 180
aaggagggtt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctনাগাagca 300
gtgag 305

<210> 3162
<211> 107
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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2718

<222> (56)
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tacacaagac ancagttggc ctacgctgcg ctcagccgtg tatcgct 107

<210> 3163
<211> 153
<212> DNA
<213> Homo sapiens

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<220>
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ttctgcccag tgctctgaat gtcaaataaa aaaattcaat gaaacgccgg tnaaccgcgn 120
ganttnctat aatcctcttn aggtatccaa aat 153

2719

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<212> DNA
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2720

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ttgctaattt ttttatttgt cccactacta tgtttatttg cccttaacgtc acccagtggg 120
ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180
cccgcacgta ctagtttttaa ggggtgattat agttantatg ttgattagtg gctagcgatt 240
gggttggttg gttttcctga tggcccacgt actggtggtt tgtgtttaat gtagtgtttg 300
tggtgtgttg cctggtgaca caacagttac aatggctcgc tactggtgtt gtgtactata 360
tgggccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgnnttg 420
tgctggttg caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtg 480
gagtggttg ttggccnctg tnttcctgcc aagtcaata 519

<210> 3165
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<222> (17)
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<222> (27)
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2721

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<220>
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gggactcctg ggggtggttct ctctctctgg tcccttctgg ggaacctntt ntccnaatt 120
tcttcgctgc ngttttcccc atcggttccc tn 152

<210> 3166
<211> 287
<212> DNA
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<222> (262)
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2723

ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggg ggtagccat 180
gggttacccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnggaattn aagcaaagac annacaaacg tagatgggcc cctncta 287

<210> 3167

<211> 603

<212> DNA

<213> Homo sapiens

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<222> (36)

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<220>

2724

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 ctactgtggt gcttatactg ttgtatTTTT gcaaaagcgg tcttgctggt aacgggcggtg 120
 ttatgTTTTgt tggccgtaac actattgtat actgctgcac ttcggtctga gtgctacgcc 180
 gctgcaaatc antccacaga tgcatacagc acacttgtag tactggccta cgtgtagcgt 240
 tttggattgt atggcggtgtg acttctactg gttaaattac tcttagggta acccanagtc 300
 atatactact taacggtagg ccaactgcccc tgcttatacg gccccgcctg ccggtgcccc 360
 tgccccaggc caatgcgcgg gcccaactgt agtaggcgg agcttaacca anttgggtgtg 420
 caactaatac ngtggtgttg atcttaggtg ccctgggctt tgtgtccaac ttagccccctg 480
 tggggcggtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540
 agacggtggt cctngtgccg gactttngcg cggtgggggtg agatgtttta cctnactgcc 600
 cca 603

<210> 3168
 <211> 214
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

2725

<220>
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<220>
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<220>
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<220>
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<222> (183)
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<220>
<221> misc feature
<222> (196)
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2726

<400> 3168

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ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggatatancn 180
gancgacggt tgcaanccgc atgtcccatc atgg 214

<210> 3169

<211> 108

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (19)

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<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<400> 3169

gttnttcggt ggatgggttna ggtgggacac ggganggatc ctgggggaaat gggtanccac 60
ttttctcagt cggctcttact tggcccacca cggtganttg aacggnac 108

<210> 3170

<211> 577

<212> DNA

<213> Homo sapiens

<220>

2727

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<220>
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<222> (16)
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<220>
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<222> (18)
<223> n equals a,t,g, or c

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<222> (29)
<223> n equals a,t,g, or c

<220>
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<222> (76)
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<222> (309)
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<220>
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<222> (335)
<223> n equals a,t,g, or c

<220>
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<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2728

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<222> (423)
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<220>
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<222> (435)
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<220>
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<222> (437)
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<220>
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<222> (530)
<223> n equals a,t,g, or c

<220>
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<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)

2729

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

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<400> 3170

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gccccgtcttg tcnacngnta ccttaccang tttccccgctc atttatctcg ttctaaaggg 60
aggtagagcc gggagnccgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtagaag gggcaaacctg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaggc accanaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccagggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggg tgcgnagnag gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577
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<210> 3171

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2730

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
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<222> (278)
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<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)

2731

<223> n equals a,t,g, or c

<400> 3171

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nttgncaacn natgccttcc angtttacct gtcattttatc tcgtttcttta tctcgttctt 60
tatctcgttc ttttcaactct tctgttctctg ctattctctg tctgttccacg ggtacctgtc 120
gctgaactga ctcttcgtcg tcgtgttttg tacgtcttag tagcaggagt gattccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag tccccacagt ctccatcccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggcgcgc aaagcttggt ctgcaanctt ttcacctca nccgattcaa actatacgaa 360
gtatgccgcg tcagagggcg agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428
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<210> 3172

<211> 285

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

2732

<220>
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<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 3172
aaagcncctca ctatagntna aagctggtac ncctgcaggt accgggtccgg aattccccggg 60
tcgaccacag cgtnccgcaa attcatagag aataaaatta catgaaagag ttacaagctc 120
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180
agcagaagac atcagagcac tcacttcttc ccatctttgt taagggtanc agaattaccc 240
atggacantg ttaggtgagg ctcattcgnc ngcnctgaaa acaaa 285

<210> 3173
<211> 203
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
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<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)

2733

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

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<220>

<221> misc feature

<222> (182)

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<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<400> 3173

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ggnagagngc ttccctcanc acgagcgatt cgcaaccag ttaaagctgg taccctgca 60
ggtaccggtc cggaattccc gggtcgaccc acgcgtccgc gnnctcgtgg gcggccactc 120
cgggtcccgc accnancctg ccggaaagaa caccggaagaa tgaaaggcca ccaagaagaa 180
angcactacc tnctangaca aga 203
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<210> 3174

<211> 553

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (6)

2734

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

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<222> (234)

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<220>

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<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

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2735

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<220>
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 <222> (523)
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<220>
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 <222> (532)
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<220>
 <221> misc feature
 <222> (545)
 <223> n equals a,t,g, or c

<220>
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 <222> (553)
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 cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120
 taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180
 ttgtgaggaa gatgaaatta tgaggtctaa agaaagtcca gatctttcta tttntcattc 240
 tcaggttgag cagttagtca ataaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300
 aagtggaaaa gtctttcaga ataaaatggc aaatggaaat naaccagtaa aatcttccaa 360
 agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420
 taggtngaag acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480
 tgaatttgat atctttcgat gtacctgaga gtttttgata ttnaaatddd gnttaaaaaa 540
 tattnttggt ttn 553

<210> 3175
 <211> 88
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (8)
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<220>
 <221> misc feature
 <222> (16)

2736

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3175

gctgtatntt tcctcnggaa naatcncact cactatntttg gaaagctggg nccgcctgca 60
gggtaccgggc cggaattccc gggtcgac 88

<210> 3176

<211> 102

<212> DNA

<213> Homo sapiens

<220>

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<222> (14)

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<220>

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<222> (29)

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<220>

<221> misc feature

<222> (55)

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<220>

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<222> (66)

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<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

2737

<400> 3176

tgagtggaca tgcnatggaa atggattgng acactgggtga atgaacagat gatantctac 60
gtactnaaga tgcattcacc aaatgatga aaggtactgt ac 102

<210> 3177

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (37)

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<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

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<222> (69)

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<220>

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<220>

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<222> (132)

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<220>

<221> misc feature

<222> (164)

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<220>

<221> misc feature

<222> (179)

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<220>

<221> misc feature

2738

<222> (184)

<223> n equals a,t,g, or c

<220>

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<222> (191)

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<400> 3177

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ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggacccccca 60
ttctccaang gcccgggggg gcggnntccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggt 180
gttnacaaat nacgtg                                     196
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<210> 3178

<211> 100

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (12)

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<220>

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<222> (63)

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<220>

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<222> (73)

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<220>

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<222> (81)

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<400> 3178

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actatTTTTg nnagatggta cccctgcag gtaccgggcc ggaattcccg ggtcgaccca 60
ttngtccggt ttnaccagat nctgacccgc gacggcaagg                               100
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<210> 3179

<211> 506

<212> DNA

2739

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

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<220>

<221> misc feature

<222> (430)

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<220>

<221> misc feature

<222> (451)

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<220>

<221> misc feature

<222> (456)

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<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 3179

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tttgagaata aggggtacttt gttggataaa agtgaagcaa acttttattt tggcagtaac 120
ggaaataaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt atttttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aagggtcaaaa acctagattt agacattata aagatttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggctttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttcctgg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcan aatggt 506
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<210> 3180

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

2740

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

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<220>

<221> misc feature

<222> (141)

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<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 3180

ggcggcccnt ttgggtcccg ccggggcgcc ggggggtgcgg gagccggccc aggagggggc 60
ggcagcggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngagggg gcagaaagcc ngcgnc 146

<210> 3181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

2741

<220>
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<222> (89)
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<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
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<222> (204)
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<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

2742

<220>
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 <222> (288)
 <223> n equals a,t,g, or c

<220>
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 <222> (312)
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<220>
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 <222> (324)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (327)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (388)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (392)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (414)
 <223> n equals a,t,g, or c

<400> 3181
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 tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120
 tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttnaacta aaatggaatg 180
 gtatgctnta tacccttaaa gttngaggag gatcttgata tgttttaaca ttatnatggc 240
 anggaaatat ataaagaana aaaatattnt tctatttaca atttttanaa aagggtttaat 300
 gtaaaaataa tntggatttg tatnaanaac aacactatc gctatgtatt gtgtagaca 360
 tattgtcagt ctgttgctac tgacttanat anttaaatgt tggcactgct gaanat 416

<210> 3182
 <211> 63
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

2743

<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3182
gagatagact ttncntnttgt aaagtaaata aattntttcaa aganaagcat tgcanatgga 60
cct 63

<210> 3183
<211> 520
<212> DNA
<213> Homo sapiens

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<220>
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<222> (358)
<223> n equals a,t,g, or c

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<222> (400)
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<222> (428)
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2744

<220>
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<220>
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<222> (490)
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<220>
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<222> (494)
<223> n equals a,t,g, or c

<220>
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<222> (514)
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<400> 3183
gccccacgcgt tcgggaattc atgtggaggc cccccagct gcaagtgcct tccttggagc 60
agagaggcag cctcgtcctc ctgtccccc cctcccagc caccatcggt catctgctcc 120
gggcagaact gtgtggcccc tgcctgtgcc agccatgggc tcgggatgga ctccctgggc 180
cccacccatt gccaaagccag gaaggcagct ttcgcttggt cctgctcggg acagccccgg 240
gtttcccagc atcctgatgt gtccctctn cccacttcag aggccacca ctcagcacca 300
ccggcctggc ttgctgcaga ctataaacta taaccactag ctcgacacaa gtctgcantc 360
caggcgtggt ggaagcccg cttccgggtt cggggaaggc ccccgggggc ttgggggaaac 420
gccctggngc cttttccttg ngcccaaac ccaaaggccc cctttttggc cctttccctt 480
gggcccttgn ttgnccgaac caaggaaact tggncceaaa 520

<210> 3184
<211> 62
<212> DNA
<213> Homo sapiens

<220>
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<222> (20)
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<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

2745

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3184
gtcgacccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60
at 62

<210> 3185
<211> 508
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
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<220>
<221> misc feature
<222> (9)
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<220>
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<222> (25)
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<220>
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<222> (27)
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<222> (137)
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<220>
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<222> (158)
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<220>

2746

<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
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<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
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<400> 3185
catntggcng tgaccttatac tggangnacg ctggtaacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccaacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120
atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180
ggcaatatgc tagctgaaat tcacccttcg atggtttcat tttcttgtct acaaaggcag 240
ggtgagcgac tgntgccctg tgatttctgg cactcccagt ggaaaggaag cagaggggcc 300
aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360
cctccccagt taccattctt tccctgggtc ccateccctt cacatccagc agtgngggct 420
aaccttccctt tgcnnatcct gggaaaacac atctttgctc cagtgcagg ttagactgga 480
caaacaagcc ggtgtggang aagctttn 508

<210> 3186
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>

2747

<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
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<220>
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<222> (90)
<223> n equals a,t,g, or c

<220>
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<222> (91)
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<400> 3186
acttttggga aagctggccc gcctgcaggt accggtccgg aattcccggg tcgnccacg 60
cgtccnttcg cctcaaaggc gnacaggtgn n 91

<210> 3187
<211> 193
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
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<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

2748

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

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<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

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<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<400> 3187

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ggnctgncctg aggaggtgtg gacttttatn tatagatcta catanaaaact gntacatgac 60
anaaaccaca cctaaagaaa tttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggatgaata ctn 193
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<210> 3188

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

2749

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 3188

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agaatggaca ccctatatatt cagggtctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcattttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttcttttactc atgtgattcc tttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctccctttcca acttgccttg ttaaccagga tcctgaacaa gcattctactc 420
cttcgagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc 474
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<210> 3189

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

2750

<400> 3189
ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca 58

<210> 3190
<211> 405
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
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<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
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<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
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<220>
<221> misc feature
<222> (120)
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<220>
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<222> (173)
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<220>
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2751

<222> (175)
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<220>
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<222> (190)
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<220>
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<222> (195)
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<220>
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<222> (246)
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<222> (280)
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<220>
<221> misc feature
<222> (308)
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<220>
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<222> (357)
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<220>
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<222> (383)
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<220>
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<222> (388)
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<220>
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<222> (392)
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<400> 3190
gaacaaaana tggagagcta atttctgttc ctctttttgan nntggggttat gtnctagtga 60
gagggttcac tgataaaaaat caaatattcaa gtacaatatc actttttaaaa tatctaanan 120

2752

aaggatattc aataggaact ccattagatg gacccaaagg accaaaagaa aangntaaaa 180
aaggactttn atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta 405

<210> 3191

<211> 94

<212> DNA

<213> Homo sapiens

<220>

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<222> (75)

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<220>

<221> misc feature

<222> (82)

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<220>

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<222> (87)

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<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 3191

gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcataaaaa 60
atgctaccac gtggntaccg gntgaangan gnat 94

<210> 3192

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

2753

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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<220>
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 <222> (512)
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<220>
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 <222> (515)
 <223> n equals a,t,g, or c

<220>
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 <222> (532)
 <223> n equals a,t,g, or c

<400> 3192
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 gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120
 gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180
 caagctatac tgaaatccct ctagtaaaaag attgagacga aacactaata gttttgggcc 240
 aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtctttgg ctatatggtt 300
 ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360
 cccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420
 aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480
 gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540
 gtggagccg 549

<210> 3193
 <211> 99
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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 <222> (24)
 <223> n equals a,t,g, or c

2754

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<221> misc feature
<222> (25)
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<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
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<222> (31)
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<220>
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<222> (56)
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<220>
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<222> (96)
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<400> 3193
caaggagaat ctncgctcac tacnngggna naatggccccg ccgagcaggc accgggccgg 60
aattccccggg ttgaccacacg cgcttttcac ccgatngcg 99

<210> 3194
<211> 140
<212> DNA
<213> Homo sapiens

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<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (14)
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<220>
<221> misc feature

2755

<222> (30)
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<220>
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<222> (48)
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<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (79)
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<220>
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<222> (126)
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<220>
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<222> (132)
<223> n equals a,t,g, or c

<400> 3194
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc aggggtggccc 60
catctaagct ggagggcgtn gaaaaggccc tggagcctac aggccagagc ggaataggca 120
gtgaangagc tntactccca 140

<210> 3195
<211> 461
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (153)
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<220>
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<222> (271)

2756

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<220>

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<222> (285)

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<220>

<221> misc feature

<222> (295)

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<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

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<220>

<221> misc feature

<222> (332)

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<220>

<221> misc feature

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<220>

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<222> (439)

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<222> (452)

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<220>

<221> misc feature

<222> (460)

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2757

<400> 3195

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gcaaaccctt cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga ggggtgccagg gggctggctg agcagctggg cgggggtccgt 240
gaggtaagaa ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaanggggtg ctatgaggac agcangggcc tncgagtctg ggggtggcctc acccccacaa 360
gcagtccttg ctactcagcn gcactaccca taggggacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgt tgaaactttg tnttttcttn t 461
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<210> 3196

<211> 69

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 3196

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gctcttcact tnnatngatg cttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69
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<210> 3197

<211> 275

<212> DNA

<213> Homo sapiens

<220>

2758

<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
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<220>
<221> misc feature
<222> (146)
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<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2759

<222> (235)
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<220>
<221> misc feature
<222> (240)
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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
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<222> (247)
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<400> 3197
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gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gcccaagcca 120
agaaggggaa gaaagcccc gaagtngcaa nggaagaaag caagcanncc cgtggccccc 180
aaccgggttc aagaaccna aaccaaggt gccgttccc ttggggggccc aaggncctn 240
nattitnaag aagtggaaga accttgaaca acttg 275

<210> 3198
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
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<220>

2760

<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
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<220>
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<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 3198
tnntctatct tgcnaatecc gtccatantt aaagccagta cgctgcagg taccgggtccg 60
gaattccccg gtcgaccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120
cccgtttгна tgagctcatg nagaac 146

<210> 3199
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
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<220>
<221> misc feature

2761

<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3199
ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60
cacgcgtccg cnnccgcttc gccacgcgt ncccccacgc 100

<210> 3200
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 3200
gcccactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120
atggggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

2762

taatgtgccc tgcctggctg gctctggctt cacactctgc attgtgtgtg cagggagctt 240
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420
ccaagncatg actatttctc tctgngataa a 451

<210> 3201

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

2763

<400> 3201
nnggtctaggt gtegtccgag acncttagtn gnactcacat gggaaccnct nctatatatttg 60
naagctggta cccctgcngg taccggtccg gaatccccg 99

<210> 3202
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3202
ttaaaatcat gacatgacat acttttggaa tttagtgcc atagtctgac agatgncnaa 60
anggtntat an 72

<210> 3203
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)

2764

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<400> 3203

```
cccccggtcc ttttttttggg ggaaaaaaaa accccctcc ctttttttg gggggaaaaa 60
aangantaan ccccttcttt gggg                                     84
```

<210> 3204

<211> 70

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3204

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gctnatgcaa ggtcannccc cttcctgggg gcctgggttaa tgtggatgag ngaaggcctg 60
ggnccttgcc                                     70
```

<210> 3205

<211> 477

<212> DNA

<213> Homo sapiens

<220>

2765

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
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<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2766

<222> (177)
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<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
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<222> (243)
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<220>
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<222> (261)
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<220>
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<222> (302)
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<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)

2767

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 3205

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ggcttcgntg tatttagtaa gcctttacaa gacttggttaa agatgtnatg agtgccccaa 60
gctgncgttc cttcccttcc tgncccacaa gtccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggacc tcatnctcaa ttattanctc 180
ctttcaactc tggagaccnt ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgccctcg nactgcccac gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttcctgc cccttttcac actgcagctg aagttcaatt 360
acctnaaang acncncttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caanttctta acagtgtaca gtgtgcaact tccaaccttt ttatntg 477

```

<210> 3206

<211> 559

<212> DNA

<213> Homo sapiens

2768

<220>
 <221> misc feature
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (427)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (558)
 <223> n equals a,t,g, or c

<400> 3206
 ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60
 acctttgggg aaattggtat tacgagctga ctttggaaaa ttaaaatagc atcaaggtcc 120
 tacatttttaa ataaaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180
 agggaaaagac atacatatatt tgctttttatg tgttaaagt ttgtaattca gggaggacaa 240
 gaaaagggat atggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300
 aaaatgtata tttttaagtt tcaattttaa cctttgctgg taactaaatg ctttgatatg 360
 atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgctgttg 420
 gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaatttcaag 480
 cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540
 cccacatntt tcatgaana 559

<210> 3207
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (170)

2769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 3207

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tcaaaat tttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag aggggtgaact agaaagaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
ggttttggga ttaaaatctg tttaaagaaa tatccggaaa taggggtttcc cataaaaacc 300
ttgcccattt tttctaaaat ctgatttttt tccttntttt taaccataa atttttggct 360
ttattentac atatnctggt attttgaent cttttggcca aaaanataaa 410

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<210> 3208

<211> 170

<212> DNA

<213> Homo sapiens

2770

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3208
cttgntgact tntcgggaaa taccnctact atagggtaag ctggtaacgcc tgcagggtacc 60
gggtccggaat tcccgggtcg acccacgcgt tnnccggaacgc ntnggggtgaa aagctcctta 120
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209
<211> 64
<212> DNA
<213> Homo sapiens

<220>

2771

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3209
gcggaacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagattttt 60
annc 64

<210> 3210
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)

2772

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 3210

gcaaatagtn tatcaacccc agactatttg tttgacatgg gncaatnttn agaatatntt 60
gg 62

<210> 3211

<211> 80

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<400> 3211

ggtcttcttt aggtagcaga ggtgcagagg aggagtttag atgacntttg anacctcant 60
catnaaggcc tacagaaatnt 80

<210> 3212

<211> 74

<212> DNA

<213> Homo sapiens

<220>

2773

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 3212
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60
ttnnactaat ncca 74

<210> 3213
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)

2774

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<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

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<220>

<221> misc feature

<222> (151)

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<220>

<221> misc feature

<222> (198)

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<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

2775

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

2776

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 3213

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cttgctatag ctctgagcnn gtactcccg c aggnacccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tcgantacta tnccttacag ggaaaaaann gggctgttgt 120
gggcataccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatac ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaantnta tcntgatcnc ntanttata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa 385
```

<210> 3214

<211> 90

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3214

```
gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga 90
```

<210> 3215

<211> 91

<212> DNA

2777

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 3215

```

gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnngn gaattantgg 60
tttactaaaa taancaggaa gaggggaaaa a                                     91

```

<210> 3216

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<400> 3216

```

gttttcatct atcttggcag gaagtgagta tgcgacatnt aagattgaga catcaaaaat 60
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggt 120
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttgggggcc tgttgttttt 180
tgcattcgcc cccttgagtt catttgttct ttcattctaac agacacttac tgtttgccaa 240

```


2778

acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300
acagtgccag attttaaatt gaatattaga gaaacttggt cttaaaactt ttgctagggc 360
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tcttacattc ttn 413

<210> 3217

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2779

<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

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gtaccggtcc ggaattcccc ggctcgacca cgcgtccggt acctctctgc caagtttggt 120
ggaaaaanngg ncaaanttna aaaaat 146

<210> 3218
<211> 55
<212> DNA
<213> Homo sapiens

<220>
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<400> 3218
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<210> 3219
<211> 277
<212> DNA
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2780

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2781

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cgccacacagc gtccctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120
tgtaagcata aagctaattgg gattggnnggg agccccanct gagagcnggc angtgctgga 180
caatcttctc tcagccttgc tctgctaattg tctccctggg tgtaggctgg cctcntgctg 240
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220
<211> 382
<212> DNA
<213> Homo sapiens

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2782

<400> 3220

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tattttgtta tttttgaagc aggaaataac catttgatt tgcacctgcg tattgcatat 120
gaattatggg atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctgggc 180
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tccttttttaa 240
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300
taacctttta atggaccttg gaatctttta attattgctt ttnaacattg gtaattnaaa 360
ccaaaattcn atttncgtaa tt                                     382
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<211> 142

<212> DNA

<213> Homo sapiens

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2783

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ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgta aagaaggngt 120
tnatcctgag tcttncant cn 142

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<211> 679
<212> DNA
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2784

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<220>

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<222> (604)

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<222> (638)

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<222> (652)

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<222> (669)

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<222> (672)

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agaaggacca actctaggct caatatgaag ggatttagtt ctgtaagcag caaaaaagct 120
tctttatcaa gtcattcttac ctctaattct tttccagtgt gccaactcca aagtcaacat 180
taaaaaatgta aatggacctg tgtaaatatc acagagagct tttccttata catctcaatg 240
ctgagagtta aaatatccccc aggttaaaat ttttttaaag taccaataat agagctaaat 300
acaatgacat ttgcttttaa aagggtggata ttttatttct gctttttgaa aatacttatt 360
tagtattgac ttggaagcca atttggtgcc ttttaataagt aaagaaaata atatgtttta 420
aaatgtaaat gttttacaaa ttttgaaact ttcataannng nattaatcag aaaacaagcn 480
cattgccatt ctttgaaact catgtttcta gacatgacag cangtcaata aaaggatgaa 540
aacaagtgtc ttcactaagc cgtattggnc aataaatggg acccaaacgt tcaatctgtt 600
caanttacca aaggttcaaa aaatacgtaa ttttagcangg aaacctttca tnccagtggc 660
tatcccagnc cncacattc                                     679

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2785

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<211> 503

<212> DNA

<213> Homo sapiens

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<222> (363)

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aatttactac atattagtac tatattcgta aggattttttt attaaccatt acagatttta 120

caaacagcta gttatatggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180

ctagtatttg tgtagatgta tttgggtactt tttcccctaa ttccaacact agtttatata 240

tatagcgaat aaatctagtt gtataaattt ttaaattgccg tcagtagaaa gcacacaagg 300

2786

ttatgatttt ttttaattact ggcttctgat ttcttttact tctgatacctt ttctttttct 360
canatgtagc tgagtcttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420
taattntcct ttgtgaattc anccctttac tatgctttgc cagaagatca gaatctccat 480
ccttgggntt nggataacca tgt 503

<210> 3224

<211> 105

<212> DNA

<213> Homo sapiens

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<222> (63)

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tgngaggggg cctgngaaaa gggctnggaa ggcctgaaca gnggg 105

<210> 3225

<211> 111

<212> DNA

<213> Homo sapiens

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2787

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ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a 111

<210> 3226
<211> 252
<212> DNA
<213> Homo sapiens

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2788

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2789

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<220>
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<220>
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gcntttttaa ncngcaactg ngctctttaga gctagggggc acattaancn ttgcactgnn 120
cagcatcngg ctntatggaa cnnaagtnta ccaaataata aaagaaactt ctgcttttaa 180
aaaaantata tatatatatn aaatncgaaa ccngcatctt tcccacggca atgnaagaag 240
tagggcgggt ga 252

<210> 3227
<211> 70
<212> DNA
<213> Homo sapiens

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<222> (56)
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2790

<400> 3227
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gacgacgaac 70

<210> 3228
<211> 452
<212> DNA
<213> Homo sapiens

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<220>

2791

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accgccccta ggggcccctt ttctgccctt cccgcacccc tagtggggct ttgtctcggc 120
gcccagaaaa tggcgacggg gcccctggcg accccttccc cgaggacagc gccggactcc 180
gagccctect ctcgagagcc cggccgcggg ccttgcgcca cccctgccc cgtccttgac 240
ccggtctctg cctcgccttn tgccccttga aaccttggcg atcctatttc gtggactcct 300
agatcgcccc tgctacttgc aaagggtatg ccggggccagg gaaaccaggg atcggcgccc 360
gntctctggc agntcctggg ggcacttagg gaaagatgcg gatgcaagcc ttgaactggc 420
actggccagn ggttcagnct tcaactgctt ng 452

<210> 3229
<211> 99
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (38)
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<220>
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<220>
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2792

<222> (56)
<223> n equals a,t,g, or c

<220>
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<222> (93)
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ggacgtccca cgcgaccttt tttaaacgcaa atntaaca 99

<210> 3230
<211> 440
<212> DNA
<213> Homo sapiens

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2793

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acacacacat gctcaccccc gggctgcacc cctcacctct gccacagcac tgagggcctc 120
ccccgcgttg ctgttctccc aggaattcca cggcctttga gtacctggag gagttcccca 180
tacagatgct ggcccagctg gagacactca caggaggagaa ggcaaagcac gggctcttcg 240
catcaacatg gaatatggca gaaatttctc tggccccgac aaggacgtct tctttgatga 300
ccggnctgtg gggcacacag aagatgcctg gcagtctaac tttcttcatc ctgncatcta 360
ctactataga tacctnccca ccgngagca ggtctctgcc ttccccaacc tgnngggctcc 420
tcaaaaactna ccgctgcaaa 440

<210> 3231
<211> 528
<212> DNA
<213> Homo sapiens

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<222> (492)
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<220>
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<222> (515)
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<220>
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attgcaacca ttaacatctg aggcaacatc tgaagaggaa gtgcgttatt gggaaatatg 120
ataaatttaa tttcattgca tttacagtgt ctgtgggaca tcagctggag gtattcaatg 180
aatgtctgga tatagagcaa tgtctcagaa gaaagtctag aaatagtgct gtccaataga 240

2794

aacctactgt gaccctcaaa tgcaaattat ttagtacatt aattacgttt tatttaacac 300
aatatatcta aaatggttatt tcatcttgta atcaatacaa agttattaag atgttttctt 360
gccagatctt aaacttggtg tgtaatttta tacttagcac atctcaagcc atatgtcaga 420
tgctcggtag ccgtatgtgg cttggggact accgnatggg acagtgccgn tccagaatat 480
ggtaatgggg angattatac cttaacaatg ggcanttgaa anactgca 528

<210> 3232

<211> 58

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 3232

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<210> 3233

<211> 179

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

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<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2795

<222> (28)
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<222> (65)
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<220>
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<220>
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<222> (172)
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aaatntataa agcaaaaata taactacaag gagaaattgg caaatnctca cttacagtgg 120
gagaattgca tacngctctc agntaatgan aggacaagca aacaaaacta gnnaacata 179

<210> 3234
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (6)

2796

<223> n equals a,t,g, or c

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<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

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<222> (39)

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<222> (106)

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<222> (112)

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<222> (115)

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cacatttggg atcttatagg ctataaatta gagctattcg ccaacncctg ancangccag 120
gc 122

<210> 3235

<211> 53

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (29)

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<210> 3236
<211> 423
<212> DNA
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2801

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cccaggngcg ggtcaaaaaa gcgaaccann cggacagggg caciaaccna gacagntang 180
aacgctgaga gaggantgnc aacaagcang gcgagccac ggncacacng gcaccngagc 240
ngaccncga nagncccanc gaaactgagg cgtgccngca ggacagngag caggccctca 300
ggagccaaag ggatgcaagg aacgaancct ggataccaan gagnggaccc acgaagaaca 360
cagatgaaac aangancaac cgagngctag gggcncacag agacaacanc ccggagagna 420
taa 423

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<212> DNA
<213> Homo sapiens

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2802

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gaatgggagg actgacggaa nggatggcaa ccaaccgaag gcggacacag gacgcnagga 120
catnaaagca 130

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<211> 99
<212> DNA
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2803

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<220>
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<222> (81)
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ccnngcaggt accggtccgg nattcccggg gcgactaac 99

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<211> 118
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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2804

<400> 3239

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agataacaca gggatacacc gagaaaatat acccagagag atacagnacc ccaacagc 118

<210> 3240

<211> 116

<212> DNA

<213> Homo sapiens

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acggagctca agaggcgaac aagccgcaag acaagnngga cggaaacann aaaaaa 116

<210> 3241

<211> 139

2805

<212> DNA
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gtcatttgca ttaagatgaa caatttctaa aaacatacat aanaaanagt ancaatcaac 120

2806

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139

<210> 3242

<211> 105

<212> DNA

<213> Homo sapiens

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tcgaccacg cntttcngcc aaacatggcg gggcaggacg gggggg 105

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<211> 522

<212> DNA

<213> Homo sapiens

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<220>

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2807

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 acctcccacc ttgtgtccta agtccctgcc cctcccttt cacaccataa ctaggtaaca 120
 gtttgataac tagggaagaa agcagaacag ttaagcagcc gccacatccc cgctggctgg 180
 gggcctcact ccaggaaggg gctggactgg ctgtcctttc cagtggcctg gctccgctgt 240
 gtggatgggg agatcggggc cagaggcaga accctggtga ggaagctcca gtctgtctct 300
 ctaccagcc catcttgctt ccatggtgcc tctggaggcc tctgggcctc ctctaacagg 360
 ggctggtggg caccaagagc caatggagta gaccctggc tggttaagggc caagtccac 420
 cggttgcttc tgggaaaggg tttctaacac tagtctgtgt gctggggntc ctgggggtgcc 480
 cttcactggc cttttggtna ataacaaggg ccttgnttaa nn 522

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<220>
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 ccaggtggac agcctgccta actggatgat gcttcatctg tcttgacagg gacagccctg 180
 caaatagaat ctgagggatg gcagacctat tggagtcata gtgtcctttc actgagtctg 240

2808

gtgggactct cttccactca tcttanactg gaagatgcct gnccttttttc tttcttataa 300
gtcttcacag agaaagggag ctttttccca agacacactt tatttttctt ttggcaatgg 360
ntagtgcaag ggttaaaaag ttcttgaagt caaat 395

<210> 3245

<211> 142

<212> DNA

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2809

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aattccccggg tcgaccacg cgtccttacg ggcgagggca tggacgagat ggagttcacc 120
gangtgggat gtgntaccca nn 142
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<210> 3246

<211> 105

<212> DNA

<213> Homo sapiens

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gttntagttc tagatcgcca gcggccgccc ngnttttttt taattttttt tttccntttt 60
tttggcatca ttaacatttc atttgaaatg catattgntn ttgaa 105
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<210> 3247

<211> 388

<212> DNA

<213> Homo sapiens

2810

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 aggcagcact tgcttaatgt ggatgacatg tcaatggcat taaatcacca ttgagccaca 180
 ggctgtgaag ggagccagtc agcatcagtt ttctgactat tgtgcctaag aaactcaaaa 240
 agatttgtgc tgcangcatc ccgaaggatt gggacccaca tgggccttga tgtgcgtttc 300
 tgtaggccag agcccagcca aggctcctgg catgtttttc ttcacctttg caggctaaca 360
 gaaatgtctt gattctcttt caaatcaa 388

<210> 3248
 <211> 689
 <212> DNA
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2811

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<220>
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<222> (182)
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2812

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2813

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2815

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<220>
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taatgctagc acgcntcgca nacactacga aaggctcgca cagtcaacat ggtagtgtat 120
gccnttcaca gccaacacgt ctatacactg gggacttcac cagtcaaaat actccnggtg 180
cnttaaaatt aagggcnttt aattcaactt aagcggtttc cgaataaccc aaaattttaa 240
tcaaacgggt taatttttta cggagnngac cctttactan gggaagggcc ccccaatttt 300
aggaccntc naaatatttn gggcctttaa agggcccaaa tattttccaa acccttttaa 360
cnatttanna aattttccaaa tttgggaaaa aattttataaa antanncaa tttggnaaaa 420
tgggggaaac nntgggnttt aaaaanccgg ggaaatttgg ggggggnccc cccttaaagg 480
gggnaaaaaa tttggggaac tcccccaaaa ncaattttta ttgccnacc ttnntttcng 540
gggggaaaaa acccaaacc ccnaaattn agggggnttn ttaaaacccc ncccccaag 600
gngggngcaa acctccggcc nngtttcctt tgggaaacca aatttttncc cgnggggttc 660
cattngnncn ttgggaaatt tttaagttt 689

<210> 3249
<211> 472
<212> DNA
<213> Homo sapiens

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2816

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acccttgagc cctgggctct gcttggcatg cccctgaacc ccgtttcctt cacagactct 120
ctgggactta gtccttgga cagcaggccc cccacagtaa ctgtgtctgt tttctttgct 180
gctgagctcg tgcacagaga tgatggctga tgcctccttc tccctcaggg tacgggtctg 240
gcacgtgtgg gtccttggtat atgccagtaa tggcctctgg gtagagtagg gtcacgtcac 300
tctgagagaa ttccccattg tgcctacaga ctcaccctt tctttccctc ttctgntttc 360
atctccttcc ctatattcag acagacattc ataggatgga catagaaatc atnttaatga 420

2817

cngaaaagac ttttaaggaa ctattcactg nacttanctt gtaccaaaca nc

472

<210> 3250

<211> 699

<212> DNA

<213> Homo sapiens

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<222> (148)

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<222> (230)

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2818

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tagattttcca tgaactctga gcacagccaa caatccccgc ccccccactcc tccctacccc 120
caagtgttac caggcttcat tctttagngt cattccagtc ctncactaaa tttccattag 180
ttattaatca tctaaagctt ttatctaaag tttaccattt atccttctgn ctctggccct 240

2819

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gnattccccct actttacaga gatataattta aaaaactgnc acttgtaaaa gcaaacagac 300
aagtgggata gaatactnaa aagtcangan aatagaaagc cttttctgaa attgaatcac 360
cttctaacag ctattttctaa taaaaaatgt attaagaaag aaaggggggaa aaaaaggctt 420
ggatcccgaa agacagtttg aatcataaca gtgcgagtgc gagacagaag acaatcactt 480
tctactctct gctngtcnct aaaggaattn cagttaggta ttcaagaatg gaagaacacc 540
gagagtcagc cgttcttctt tctcttttaa acaaaaacca aattcatctt gggcatggta 600
tcaagttgnc ttgaatgtan aagggaaaaa aaaaggcant ttccaaggca ttacctaaaa 660
atcaactctt tccattttaa tgnngggcca tnttggtaa 699

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<210> 3251

<211> 132

<212> DNA

<213> Homo sapiens

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<220>

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<222> (49)

<223> n equals a,t,g, or c

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<222> (62)

<223> n equals a,t,g, or c

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<222> (69)

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<400> 3251

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tnagcgacnc ttctgtcctg cncctccgaac acacagcgct gtcctggaaa actctgcaca 120
cgtgtgcaga ct 132

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<211> 133

<212> DNA

<213> Homo sapiens

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2820

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<220>
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gacagtgggt ngtggaccaa aagggtctgtg aagcattcct gggcatgtgc nccaagatnt 120
ccacntcttg gaa 133

<210> 3253
<211> 56
<212> DNA
<213> Homo sapiens

<220>
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2821

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<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (32)

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<221> misc feature

<222> (40)

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<220>

<221> misc feature

<222> (51)

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ggntggctga agtgtacgac cttgcgggnc gnaaaccagn tgacattgaa ngctca 56

<210> 3254

<211> 158

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (20)

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<222> (28)

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<220>

2822

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<220>
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<222> (131)
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<220>
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<222> (144)
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atgtacagcc caggattagt ttatantctt tgggttgaagg nctctttttg agacangaac 120
ttactcagtt ncacatgctg attncctaaa tgcagggtg 158

<210> 3255
<211> 279
<212> DNA
<213> Homo sapiens

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<220>
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<222> (161)
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<220>
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<222> (194)
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<220>
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2823

<222> (233)
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<222> (235)
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<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
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tttgatgaag atctgcaaaa gaagatagaa gagaatgaac gggtgcatat acaatttttt 120
gaagctgatg agcagcacaa gcatgtggaa gcagagctga ngagtcgact ggtcactctg 180
gagacagaag cagnccagca ccaagctgtg gttgacggtc tcacccggaa gtncntggaa 240
accattgaga agntncagaa cgacaagggt aaactagaa 279

<210> 3256
<211> 629
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (472)
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<222> (503)
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2824

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<221> misc feature
<222> (577)
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<220>
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<222> (599)
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ttctcctggg agcttccaga taccaaatac ttgggcgtgg aagagcagta aggcaggagt 120
aggggagagt tgggcaatag aattaatata agaaggttct gatctctgta ctcttttggg 180
gactaagtcc tgaaaaatat atttgccatg tctcaaattt gttggacttc tgatacagtg 240
tggcttaatg ttcttgctct cgctaacagc aacattttac aatcagtgtc gagcttggat 300
ttggcattat gaagtatttt gtttgggggg cacatataga agagctactt aggatgaaat 360
agaaggatg acaacattgt agtttgtgca tatcaaatca tcagatgcca tgggatttga 420
gagaagtggg agagaaaagt tttggtgtga ataaaactgn aataatgtgt anagctaaag 480
gaacagtggg agacaacctg aantagaaag tgtttcacag agaatgctaa ttctggagcc 540
tgagccacta cttttttttt ttttttttaa cngnntngaa ccagacttta ncttttctgna 600
aaacttttaa aaacctcttg gatgccttg 629

<210> 3257
<211> 489
<212> DNA
<213> Homo sapiens

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<220>
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<222> (198)
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<220>
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<222> (214)
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2825

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 <222> (315)
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 <222> (478)
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<220>
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<220>
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 <223> n equals a,t,g, or c

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 <222> (482)
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<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<220>
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 <222> (485)
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 ttttaggtac caaacctttt gagttcaact gatcaaacca aaggaaaagt gttgctagag 120
 aaaattaggg aaaaggtgaa aaagaaaaaa tggtagtaat tgagcagaaa aaaattaatt 180
 tataatatgta ttgattgnca accacattta tctnagtaga actgaattgg ctcggaaaaa 240
 agaaaaactg catgttaatc attttcctaa gctntccttt tgaggcttag tcagtttatt 300
 gggaaaatgt ttagnattat tccttgctat tagtactcat tttatgtatg ttacccttca 360
 gtaagttctc cccatttttag tttccttagga ctgaaaggat tcttttctac attatacatg 420
 tgtgttgtca tatttggtctt ttgctatata cttaaacttc attgttaaaa aaaaaaannn 480
 annanaaaa 489

2826

<210> 3258

<211> 110

<212> DNA

<213> Homo sapiens

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<222> (53)

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<222> (58)

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<220>

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<222> (77)

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<222> (87)

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<222> (110)

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tacagaacat cacctgnaat ggccacncac actgtatgtg tgagtcatan 110

<210> 3259

<211> 462

<212> DNA

<213> Homo sapiens

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2827

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<220>
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<222> (434)
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<220>
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<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

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aatgaaaaag atcctttttca aaaagggtgat cctgaaaata aaactaacac tccagtattt 120
tgtcattgtt tttcgcaatt gagctatctg aaaactgtta ttcctaagta atgttcaaaa 180
atgataagta atctggatac ctttttctta tacttttctcc taggaaaact ttaaaacttt 240
aaaaaggcaa acctaccaat aggaataaca aattaaatgt caagagagta tatccaatat 300
taggatataa aatgtatgtg tctcaagttt aactctacaa aaatttggtta cttgttttta 360
aactctatat ataaagtctg acttaatcat gggntgttnt aagaagtctt ttggagagca 420
agaacatttt tgcnttttctt aaaggggggg gtttacttgn an 462

<210> 3260
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2828

<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
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<222> (322)
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<222> (452)
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ggtggttagag tacaggatct agttgtatac aaaattgggtt ttctcatcca tttggagaat 120
ttttatttttg gaataacaga tgaaatgac aggtttgttt atgatgaggg gggtatttgt 180
ggtcataaat tcaaatgacc ttctttattn nttttctctt tgttgacatg tttctcatat 240
gagataaatg gccttttgaa aggtacctac cttagcatgt gccacagtat gatgtgttca 300
tggtgatata cataagcatt tnctagtctt aaggtctagg gggtatgtaa tattggattt 360
gcctnaaagt ttttgaatta cacataccat attctnaaca tttaaaaatt aaataatttt 420

2829

gcttatatat ttgattatta tgttgggnga gnactcctgt tatagagtat ttattgngnc 480
ag 482

<210> 3261

<211> 491

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 3261

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caataatgac taaatgccaa ggagtggctg gttaaaccng gtgttcccta gagaccccg 120
cctgggctct acttaggctg cctcttggac atcagaccaa ggcttacatt ctgaatccac 180
agggcatcca catgggtggg gtcagtcccc cacagacaga gaagtgtccc gttgcatttt 240
tccatctatt ccagtagtaa gatttgtgtca tttgagattt tctttaactg tataattgga 300
cgtttaatta acaaaccaga gaggaggaaa aacaatgagg tgggtagagc atcatgttca 360
gcctcagggc tgtacagcaa agcaatttta gactgcggat gttgagtctt cagttaccct 420

2830

gagtgccagt tacagtgatt cacatctgaa agaacagtct tgntgagang gacagtncaa 480
ngtggatngg c 491

<210> 3262

<211> 105

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

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<220>

<221> misc feature

<222> (77)

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<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (103)

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<400> 3262

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cccgggtcga cccattngcn cgctttnaaa aaaaaaaaaa aangg 105

<210> 3263

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

2831

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<220>
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<222> (285)
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<220>
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<222> (287)
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<220>
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<222> (302)
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<220>
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<222> (303)
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (314)
<223> n equals a,t,g, or c

<220>
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<222> (324)
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<220>
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2832

<220>
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<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
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<222> (494)
<223> n equals a,t,g, or c

<220>
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<222> (530)
<223> n equals a,t,g, or c

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atttagaaaa atatgtcttt tctatatattga ttttacaatt tggagaaatt tctcttattt 120
tttatatttt ttcttttagt gggagaagtt tagtctacgg ttttttattt ttagtcacca 180
agctgtagcc aactcctggg tcattttctc tgaaaaacat ttggagatca tgacaagttt 240
tggattaaaa cattctgtta ttttgcattg aaactanntt actgngntcc agactggcca 300
annnttggnn ccntatcaa cacntgcccc tttagnnggt ttcataccat taccaccagt 360
accagaaact ccaggtggcc caagcttaaa gtaaaaatcc taaagcacat tggcttctcc 420
catgcaatgt gctgggtcca aaccatgctg gtaaatatna naantcctat gggttatgact 480
gactaatgac aatnatagcc ccaaaataca tatttttggat actattttaan ccaaga 536

<210> 3264
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

2833

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 3264
ggnggaacct gggtccggca gcccagcccc gcgcccctctg cctggcccct gttectagat 60
ggtgggcatc gggacgtcgg atgtggacct ggacaaatac cgccacacgt tctgcagcct 120
gctgggcagg gatgaggaca gctggggcct ctctacacg ggctcctcc accacaaggg 180
cgacaagacc agcttctcgt cgcggttcgg ccagggtcc atcattggcg tgcacctgga 240
cacctggcac ggcacactca cctttttcaa gaacaggaag tgtatagggtg tggcagccac 300
caagctgcga ggacgagagc ctggctggag cccgcgttgc tgttcccaca gggcctcgtt 360
ttttcctaac ttgctctgca tgctgtcagc ggctgccccg ccgtcataga cttaaaggac 420
tgcaataaat gtagagttga tgtctaaaaa aaaaaannn 459

<210> 3265
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3265

2834

aaaagaggat gaaggataag gttgtagcac tgntacaaga ccactgggtg gtgacnanaa 60
cggcatgtcc tgggagggtta aantanactg aatgcctaga tattatccta ctgatga 117

<210> 3266

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<400> 3266

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acacctcctt aatggtctat gtcaacgcta ggtgacctgt cttcctttgc ttcttcaagc 120
ttctaggacc tgtgtgtttt gtttcatttt tggttttgaa ccctcaaaac aacactctca 180
gtttcatcca ctgacataca ctctgtgtgg tgcttggtaa attacattca ctttctcagc 240
ctttgagctt cactttcccc ctctgtgaaa taagcagggtt tttaacctat ttgtattatg 300
gatttctttt aaaatatgat gaaagctgta gactctccat tccaaaaaaa aaaaaaaatg 360
aacaatatg catacacaaa agattttaca aatccatctc aggaggtcac gaaccaaccc 420

2835

ctgatactca tangactcca tgggatcttt taagtttcca ggtttaaana acatntnggc 480
 aagcattttc caagtanccc atttcacat 509

<210> 3267

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 3267

gcccacgcgt ccgggggaaat ggggctaggg aggtgaaagt gcgtgggtcac aaaatatcag 60
 aaatgccagt agcccagagg gacttgcagg aaaagcgtgc ctaacattag tctcaaaagt 120
 ctggatataa ctaaagatcc aggtgaagtg gggtaagggg tggctctggg gactctggtt 180
 tggcaggggt caggcctgac ccgggtgcct attcctgcag cgctgggttt ggttgggtgag 240
 agttcttctc agtctgttca taggcgcaga aattgtgggt gagtgtgtgg tgcagcccat 300
 ggggagagga cggggtgagg aaggagggtg gcagagggca cctgggacaa taggggaactg 360
 gggttgggtt tctgctccct ctccccactc tncagctcct tctagggccc actttttggc 420
 ccttaccatg caaccacatt ggacctctaa gtncccatct ntcttgcagt gtcccacctt 480
 ccataccact ttntaattnc attttccanc ct 512

<210> 3268

<211> 51

2836

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3268
gatgaagtna ccctagccat catatgagat tgtttgggct nttgntcgca n 51

<210> 3269
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

2837

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<400> 3269

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ccctgcccc aactgctgca cagagaagag ggtgaatgcg gcgaggggtgg gtggaagggtg 120
ggcgggtgagc tgggggggtta tggtgataac ctatgcaaga gatcaagggtt gtggtagggga 180
gcanngnnttc tcaancangg ga 202
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<210> 3270

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<400> 3270

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gcggnnncgt ggggaactgg cttagttttt agaagagtga tcggtctcat taaagtggag 60
ggaaaaatag gacccttaag gaaaatcaaa agatagtgac ttaatttagc tagaaataag 120
gacttaatat ctgtcttcaa atatatatat atggctttgt ggagtgggtt ttggaccagt 180
aaggcagctt atttagcata atgattataa agtggnttct tctgctttgc gaactgt 237
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<210> 3271

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

2838

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
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<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3271
ttttgcacct tgtcgaccac tcaggcgcag gcncagggaa ggacnagnga cnccanagg 59

<210> 3272
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2839

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 3272

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ttttcgccat ctacaacagc agcggagagn tcatcaacaa catcaagtac tacgacggct 60
tcatggggcca gcgggtcggc gccatcagct gcctggcctt ccacccgcac tggcctcacc 120
tggccgtggg aagcaacgac tactacatct ccgtgtactc ggtggagaag ccgtgtcaga 180
taagcggcgt gaccccgggc ccaccaggcc acggncgnct gctgtacata gtgaagctgt 240
cactcgnccg ggcacggngc gtcggctgct gcggncccgc agtngaacn gttggctgct 300
gccttagctg ctgatgacgg caggagggcc ctgctactcg cttttgtctg tcttcgctgn 360
cgtgtctgga atgtcaggga aggggagggc tcgggttgac cngtggcttc ccactgagca 420
ccagcaatca                                     430

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<210> 3273

<211> 86

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

2840

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3273

ttttcgggga ttagagcccg gcagacagag ctctgggnct gaccttagcn ncattcttca 60
tggctgccaa gtgagagtgn ggcccc 86

<210> 3274

<211> 74

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

2841

<400> 3274

gcantntntc ccgcctgccc atcatcgatg tggccccctt ggacgttttg tattcaatca 60
ctgtnttgtc cnat 74

<210> 3275

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

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<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<400> 3275

agnagacttca atgnaatctn gctactatatt ggaaagctgg ccgcctgcag gtaccgggtcc 60

2842

ggaattcccg ggtcgaccca cgcgttntng gacgcgtggg ctattttcta aataaacctt 120
tntaatctaa aaaatagttt ggncgttntg 150

<210> 3276

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<400> 3276

ggaatgctga gttttcttta tcttgacact tgatacatat gtaattcata tatctatatg 60
cttcacgttt ttatagttaa ctgtatatat gttattcctc aaaaaaaaaa agaaaaaaaa 120
atcctttctt tctacagagg tacntactac tctacctgnt aatcaccaat ctcaacatgt 180
tnacngaan 189

<210> 3277

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2843

<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 3277
gccacgcgt ccgggagggt ggngggaatt aagggtgnta ttnacctna c

51

<210> 3278
<211> 143
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
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<222> (29)
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<220>
<221> misc feature
<222> (31)
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<220>
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<222> (118)
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2844

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<222> (120)
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<220>
<221> misc feature
<222> (130)
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<220>
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<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 3278
ccgggntttt ntgggggggtt nttttcccnt nggcattttc aaaaaccaag gttgggcctt 60
ttggggaacc gggggaaaaa cccctgggg caggccttcc ggttttctct cgcaaacnch 120
ccccggggcn cngnggctcc ggc 143

<210> 3279
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>

2845

<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3279
gcatttccta aaggctngag ccggagctgc cgngncangc gtctaacaag gccntta 57

<210> 3280
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

2846

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<400> 3280

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gatactgtga gtctcaggct gctgggctac caggatcaga atcaagaagg gaaaaggatc 120
aaaatttata gagtatcttt tagagtacta gcatgggcat ttcattacca actttgcaa 180
ataggtatca ttgatcccat tttatagacg aataagttga gtctgatgga taacttgcta 240
tgtgagggac ccaagcctgc taattctaca cttttgcaca ctctcacttt attgcctaca 300
gaagagctca gaaggagagg gagggagagg gggacgggaa gtagaactgt ccctggggta 360
gaaataaatt ggagtgtctg acatgtgcat taggagccta ctaggctgna ttgcagatga 420
ctcagtatgc aatgggcagg aaggaggggt gaagagagga gtaggcagtt ttctncaaag 480
ctgctttaca acaacatcct gagtgtgaac ataagtgagt ctacatgtnt atctntgnct 540
cttctacaca taccctttgc aagntgctgn gtggaagttt ttggggcct 589
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<210> 3281

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

2847

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

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<220>

<221> misc feature

<222> (360)

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<221> misc feature

<222> (370)

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<220>

<221> misc feature

<222> (410)

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<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

2848

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 3281
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ccgggtcgac ccacgcgtcc gccactttt aggatgggcc tcttgactt cgtgtgctcc 120
ganncatggt gacgatgaca caccctgggt gcatgcccgt gtatgttggt ttagcgttgt 180
ctgcattgtt ctagagtga acaggtgtca ggctgtcact gttcacacaa atttttaata 240
agaaacattt accaaggag catctttgga ctctctgtt ttaaaacctt ctgaaccatg 300
acttgagacc ggcagagtan gctgtggctn gggacttta naccaaccat taacaattgn 360
tggttaaagn aatttccggt taccgtccat ttccaagttg gaaaatgctn agtccttttn 420
ntttttttt tttccaattn aaaaaggacc attnaactta aaaaaaaaaa a 471

<210> 3282
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

2849

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 3282
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ggctcctgcc gggccgtaga gcccttcgcc cctggggac ccaccgtct ataaggtccg 120
tttggcctgc agcagcctga gtccgtaatg ctgggcactg ttcattgggat cggcccccta 180
tggagccctg tgtctatagg ggactcctac ggtccctagg gtccggcccc gtccataatg 240
actccatata cagggccctc catcgctcta tagggctcag ccctcggctt ccagagcctg 300
tcagcagtgg ccgtaccctt cggcgggact gccgggtctc cgggacctct tcgatctaca 360
aggtcatgtt atgcctatag aggtcgcatt tgcagggcct caccgccggg agaggggtct 420
cttcagggtt ttacggcctg tccccgctct aaagggtcaa gtgcaaggan gcggcnaatg 480
gcccttgggc aaagggtctt ggnccatggg aactgggntt ttgggccttg ggcccggtgt 540
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<210> 3283
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2850

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ggaagaccnt taacaccctg ggaaaaaaaa aagaatttgg gaaaaaccac ccgggaacca 120
actngggggg gccttaantt taataggggn aggcggggn 159

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2851

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tgacacaccc attttataaa tgggcatgnc cattttgata aaggaggaaa gaagttcaac 120
tcccncttct ncaaagtcca gggccttggg ctccacagcg aaagcctncc cnatgcccc 180
act 183

<210> 3285
<211> 174
<212> DNA
<213> Homo sapiens

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2852

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<223> n equals a,t,g, or c

<220>
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<222> (170)
<223> n equals a,t,g, or c

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tgaaaccag ttaggcattga catattcccc ttctcccat tctacctct cttttattaa 120
aaattttata gttacagtgt ctatgttgcc cagcnggnc nngaaccctn tggc 174

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<212> DNA
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<220>

2853

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<220>
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<222> (123)
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<220>
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2854

<222> (205)
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<220>
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nanggccgga gttgcccgga gcctgccacc gctctcagnc agnccgcac cttctctgnt 180
cttccctccc cccgcctgcc acggngcggg tatccgcagc cacagcccgg ggccggtgag 240
gnggcgaang gggaggggag gaatcaaggg atgagcgcng gaagggcggt gggggccctg 300
agcngtacta angacg 316

<210> 3287
<211> 130
<212> DNA
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<220>
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<222> (4)
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2855

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<222> (5)
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<220>
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<220>
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ggagcgcana gagcggagcc gggagcgaga caaggagcga gaacggngac nctcccgcgc 120
ccggnaccgg 130

<210> 3288
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<212> DNA
<213> Homo sapiens

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<220>
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<220>

2856

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<220>
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<220>
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acaatgcatt tttcttatta atataatcta tttttgtatt ttacttaatg agctttaagt 120
gcctgtcgtt ctgaaaattg tgtatttata attcagctta tctcacaatt ggaccttaata 180
gcatttcttt gtgcagtttag gtgacgagca ctgctttgag gcccaagcac tagtagagat 240
gcgcgataca ggtctagttt cggtaactgt tccagacatc aagcaataaa aaaatgaata 300
ccacaaaaga tgtttgattt tacagtggag ccttactgaa ccagcattca gaagttaaag 360
gncctcctan gtatgagtat ttttagtagt ggatcactgt ggcaggggtgc aacttctacc 420
agttcctgnt tcttctgagc cagaaccctt tttcagggaa aggggaccca attaatTTTA 480
aaaacctcac cttgaagcac aanTTggcca tgggggcttg ggantaaagg tcctattttc 540
naccctggta acttnccaaa tnctgggaac ccccg 576

<210> 3289
<211> 115
<212> DNA
<213> Homo sapiens

2857

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<220>
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<220>
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<222> (115)
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gtcgacccac gcgccggga gttntgtgga aacctcccct ctcagcggcc ngggn 115

<210> 3290
<211> 58
<212> DNA
<213> Homo sapiens

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<220>
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2858

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<220>
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<210> 3291
<211> 448
<212> DNA
<213> Homo sapiens

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<222> (71)
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<220>
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<222> (126)
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<220>
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<220>
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2859

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<220>

2860

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 tccctnagaa gaaagctgtt tttagatggg aacggaagca tctccgactc cttaccttcg 180
 gcttctnccg gaagtcctca cagtgggtgtt caaacatcac tagagatgnt ttattnaana 240
 nnattggmnt nttgaaaang gaaggaagcc cctngcagac accaagttcg gggcagtgnn 300
 cttctagccc tatncaggct aagtgcacaaa aaatacagct tgggaagcat aactagacct 360
 tcgctatttc ttcacccact tttnnaccaa ttgaattcag ataggagaga ctccactctc 420
 agaacanagg aagnttactg gncattct 448

<210> 3292
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 <212> DNA
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<220>
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2861

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<220>
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<220>
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<220>
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<220>
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2862

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<220>

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<222> (240)

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<222> (276)

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<400> 3292

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cggtcgcgaa ttcccgggtc gaccacgcg tccggctttt ttagatattc ttcctttata 120
ctacatcaaa acttgataag ttgcaatgta natnactggc ccagggcttn gccatctgaa 180
gattnggntg aaaaacactg acatgaagtn agattaatag gataaaaggc atatacattn 240
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<210> 3293

<211> 308

<212> DNA

<213> Homo sapiens

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<220>

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<222> (3)

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<220>

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<222> (4)

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<220>

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2863

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<220>
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2864

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<400> 3293

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aattattcaa tcctatcact ttcattnta gattttcctt ntggggggga ggaggattat 180
tntctttata aaaatgntaa caaaatattt caaacttgca gaatataacc aatatccatg 240
ancctatctc tcagaattaa tnntttaag aaataaaaac atatatnagg agtctccttt 300
ggacttna 308
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<210> 3294

<211> 454

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

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<222> (23)

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<222> (390)

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<220>

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<222> (439)

<223> n equals a,t,g, or c

<220>

2865

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<220>
<221> misc feature
<222> (453)
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<220>
<221> misc feature
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aataaaagta aaataggtac aatttttaaag ctactaactt gactacaagg agtagtgctg 180
gtgagggggca gggaggccag aatcgtggtg tatggctggg ggtcgggggt gtaaagagcc 240
tccatccttc atctattcat tatactaaca tacttatgag atatgtattt attaagtgcc 300
ttcaaagtgt tataaccttt ggctctgaat tctacattta ggaactatag atacaaatta 360
ttgacctgat gatgatatta cttaatgggn aggagaagta gctaaatata ttaatagcat 420
gggaaattca tcgaggatna ttaaaagana ttnn 454

<210> 3295
<211> 555
<212> DNA
<213> Homo sapiens

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<220>
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2866

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<223> n equals a,t,g, or c

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<222> (105)

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<222> (406)

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<222> (511)

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<222> (513)

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<220>

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<222> (522)

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<220>

<221> misc feature

<222> (550)

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<400> 3295

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ngtcgaccca cgnttcntnc agcgcgggga gcccgtcgggt aattntaata ttttattata 120
tatatatatc tatatttttg tccaaaccaa ccgcacatgc agatggggct cccgcccgtg 180
gtgttattta aagaagaaac gtctatgtgt acagatgaat gataaactct ctgcttctcc 240
ctctgcccct ctccaggcgc cggcggggcg gccggtttcg aagttgatgc aatcgggttta 300
aacatggctg aacgcgtgtg tacacgggac tgacgcaacc cacgtgtaac tgtcagccccg 360
ggccctgagt aatcgcttaa agatgttcct acgggcttgt tgctgntgat gttttggttt 420
ggtttggttt ttgggctttt tttggattat aaaaaataa tctatttcta tgagaaaaag 480
aagcgtntgg atattttggg aatctttccg ntnaagcatt anaaccttta ataaactttt 540
ttgaaaaggn tccaa                                     555

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<210> 3296

2867

<211> 290
<212> DNA
<213> Homo sapiens

<220>
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gaggccatca tcagcacctg gcataaggcc attgctcagg gcatccagga gctggctcac 120
tggtggaggt aaggagagtt aacctggtta agggaagaga ggactcttcg ctgaggggtct 180
ccaggccatg cctgttggga gtgcatttcg ggtcccttgc ccattcctgga aggacccgca 240
nntggctcaa ggccccgcct ttntgaggct atggnaatcc antccgcaaa 290

<210> 3297
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2868

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t 121

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2869

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ggccttcccc aggagatgan cctgttaagt gntcggcagt aacctactan ggccttcgc 120
ctcagcagca aatcttgcta ctggetctag atctgcgggt tncctntac cctgcctccc 180
gg 182

<210> 3299
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2870

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2871

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<220>

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aggatatggg aagcttctgn gagtgcatag gatgggggct ggagtcattc ttagctgntt 180
cccttcctct gnccatatac tggatcacct caacataccc tggtgnggct ctaagggtaa 240
atcagggata gggccaagga gaaaacaacc aagaactctn tctgtataa agcaggatcc 300
agattgagaa agtcnagcga atataagagc aaaagccatt taaaaatcta tataccnnn 359

<210> 3300

<211> 159

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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2872

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<220>
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aatccgaggg ngataggggat aagcatgggg ncaagnacat ggatatgagc ataccgctca 120
cagggaaga ancataaccn tgagatgatc acaactggg 159

<210> 3301
<211> 105
<212> DNA
<213> Homo sapiens

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<220>

2873

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<223> n equals a,t,g, or c

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gccccgggg gncctggga acaaagctaa cgctggggca atggn 105

<210> 3302
<211> 410
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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gaaagttagc cggattatgg aggactgatt tcctcatcaa cctgtgggta ttgataaaag 120
cttcttcagg gtgggtcctg atcacccag ctgtttccat acaactgtgg ttcacttagg 180
tgtcatgggc atgcacacat tttgtccaag ggaaataaag taggtgaaaa gcagtttaga 240
tactttaatg gatacattgg gcagggttg cccaaaactg ctttntcct tgatcttgag 300
tgaagctaca acacaagngt cggggaaagt tcagaaggca ggcatttttt acttaagctt 360
tctaaagggc tttaaattcg naacattctt aaataaagga tataaagggn 410

<210> 3303
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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2874

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<222> (12)

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<400> 3303

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ggtggccgac agcagtgcgt cggggctgcc tgtccctgca cacgaggccc tgggggggtga 180
atggaggctc tccctgtttt tgttagcatt ggaggcctga gcagggctaa cgcccaaccg 240
ctgcttaagc gcataagatg ctgagatgga aaacgtgttg catggtgtaa accatgcaa 300
gccctcccag ccagtgcagt gatcgaggca gacagaaggg aaaccgctct gcaaagagag 360
gctcggtctc ctctggggta cacagatcac ccagactggg caaagctct 409
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<210> 3304

<211> 508

<212> DNA

<213> Homo sapiens

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<220>

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<222> (39)

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<220>

2875

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<220>
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<222> (492)
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cagtttctaa ccagagttct ggttaagcact ggtgacattt cacattggct taagcaataa 180
ggaaaagcag tcattctcacg tagcaacgtg gcttggggaa gggagtctcc agtttcatgt 240
attcggagcc tcaagaacaa cgttgaagac ctggattctt ctctgtttt tgcagttcct 300
tgcccagggtg ttggcccagc tctcttcatg gttccaagaa ggctgccccca ggaaggcttg 360
tggacagaag ggagaagcat ctcttctcta tgnctctttt tatctaagaa accagggttg 420
accagcatcc ttcccttanc ttcccaggag gaatgcccgg atccccctng ncttncccat 480
cccttcatgg gntgactaaa cccacta 508

<210> 3305
<211> 284
<212> DNA
<213> Homo sapiens

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<220>

2876

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<220>
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<220>
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gggcaagggg gtnacccccg gggtttcccc ggggaaaatt ttcccccggg gggttcggga 120
acccccaaacg gcccgttccc ggctttcccc gccggaataa caaagttaa aggggaatggg 180
gcttggtataa gtaacccttc ttggcttggt ttggtttggg gggggggggtt ttggtgggaa 240
nccgcttggt gggggaagcg ntccaagccc ttggggtggt nngn 284

<210> 3306
<211> 241
<212> DNA
<213> Homo sapiens

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<220>
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2877

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<400> 3306
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tcaggcctcg cggtccgcg ggccgccac ttgggttggg gcacagcgcg agtctcgcgc 120
acgtggcggg ctgtgggtgcc tgcgttcga gttcgcatag aggggctggg cgggtcacgc 180
ggggaacctg ccttgagccc cgcgntgnnc acnccggacc atggcggcct tgggcctggn 240
c 241

<210> 3307
<211> 261
<212> DNA
<213> Homo sapiens

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2878

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agcgccagcg gcctggctct ttcaccggca gctccgtgcc gacgctctca ccgctcttcc 120
tatcgccggg agtggcgggc cgaccagggg gcggccgggc taccgtccgn cattcacgtg 180
tctctgcgcn cgcgggggcc gnccgagccg gccancatgc cgctgggcct gaagcccacn 240
tgacgccgta tgcaagacca c 261

<210> 3308
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2879

<213> Homo sapiens

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2880

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2881

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 atttcaggta tttttgaatt tatctatgtt gtctttgaat cttttacagg gattctataa 180
 ctgccgtcat gtaagttgnt acagaaggga ggctgttttt gngtcttgta tatttccttn 240
 ctttcagaaa ttacagatgn ttataattag cttcaaacac tgccttaata gcaattggaa 300
 gataactgcc gtcagcccgga cgngggcttt ccctttactt caggaggaga atgactacta 360
 atctggaaca aaggtcttac tatagcagtc agatcaccag aagaagngcc gacacttctt 420
 ggcttcatct gaaaatttgg agtcaaggga aaantggaaa gaattgcnaa aataccaann 480
 aanttntacc ccatggccat gaaccaaata agaacagata tgcctaaang gataaccag 540
 acctgnngngg aattgggccg ggaacaaang ggaaacattt gggacaactt aaccgngtg 600
 aaa 603

<210> 3309
 <211> 70
 <212> DNA
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<400> 3309
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 cccttttaaag 70

<210> 3310
 <211> 506
 <212> DNA
 <213> Homo sapiens

2882

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<220>
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2883

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ccgggggaga aggcagggct gcctcgggaa gggcgacctt ggcccccccg tgtgaaacgc 180
acacctgcat gaggctcccg cgctccctgc tcccctcgcg tccttccctg ggtgtctccg 240
tgccagggtt ttagggagtg cccccccacc ccggccccct tctgtgttgc tcctgccact 300
tcagtccctc gggacacagg gttgagtcgg agcagcagag tattggtatg tctgtctgtc 360
ccgtggacct gcccgcaggg cccacgtttg tggctacnan caccancccg tcttgccggc 420
gaaacccccct gtgctcgacc cgcttncggc tcattcaagg aatgtgtggg naactgcaan 480
acttgcattn tgggaacggg gaganc 506

<210> 3311

<211> 288

<212> DNA

<213> Homo sapiens

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2884

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<223> n equals a,t,g, or c

<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (176)
<223> n equals a,t,g, or c

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<220>

2885

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<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 3311
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ngccataatg ctaancaagn ngcnactgga ntnncttgcn cntaaatcna ctgggcattt 120
cattggtaca tttnttgaat tnatgattgt ttgtgagata ctgacacatc cgcacnttca 180
gaacancntg tgcccttgga ttntgtgcac aggaanctag atggncacct gaataggntg 240
atttattctt gnaatacaga aatgtgattt tgagcccaag aataaaga 288

<210> 3312
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

2886

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 3312
ggatattttt tagttgctta taggtaggtt ttctttttac tcttccacag aaaagaaaat 60
aatagtaata ataataagac aatgtagtgt ggtgttgcag agtatcattg tgagtgtttt 120
gttttgtttt ctgagatgct tagaaaatgg tgaatgtgta acagtttcca actgaagtga 180
aatcatattc tgtagcatg gagcagcagc actatcttcc tgtctactct ctaacgggtg 240
gtgaatgtat gctaatatct atatatatat attaaatgtt ggatttctct atcaatgatc 300
taagtggttt gcagctggaa gtttgtgtgt atgtgtgtgt ttcaggantg aaaantatcc 360
cacacttaca gtgttatttg taatcntctt acttctctaa cagngatna 409

<210> 3313
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2887

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (532)

<223> n equals a,t,g, or c

<400> 3313

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ttatgtactt tgaaccacag attctttcat caagtgatct taaaataactt tcttatacac 120
agagcccact tacttttctg tgggactgtc tcatttatga aaaatcattg gagaaatctt 180
taatagaaac cttcagattc agaaataactt gcacaatata attagtaata aaatctcgtg 240
tatatatatg taaataatth tattctacaa ataaagtatt tatcttcata atagctgatg 300
gctgctagtt actgtatgct agaggacatc tatcaaccta tgcttaaggg acccaggaat 360
ttatatthta accaactccc tagtatgcag acacctcatc ttgtgctttt aggaaccatt 420
gggtaaaact cattggatac tggnttcacc agttacattt ttgnttttat gaacctcact 480
ggggaaaagg ttacatggaa ggnggtagaa ccccccancnt gntttttaag tnaagggccg 540
taaaggggga ta 552
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<210> 3314

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

2888

<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 3314
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gtaacaggca cccacacac atcccccgac gggcgcttca tagtcagtgc tgcagctgac 120
agcccctggc tgcacgtgca ggagatcaca gtgcggggcg agatccagac cctgtatgac 180
ctgcaaataa actcgggcat ctcagacttg gccttccagc gctccttcac tgaaagcaat 240
caatacaaca tctacgcggc tctgcacacg gagccggacc tgctgttcct ggagctgtcc 300
acggggaagg tgggcatgct gaagaactta aaggagccac ccgcagggcc agctcanccc 360
tgggggggta cccacagaat catgagggac agtgggctgt ttggacagta cctnctacac 420
cagcccgaga gtcactgttc ctcatcaatg ggagacaaaa acacgctgcg gtgtgaggng 480
tnaaggtata aagggggggg accacantgg tgttggnrng ggt 523

<210> 3315
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>

2889

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 3315

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ggtgaggacg acgaggagga caccggagtc tgcancctgg anccatttga ccttanntat 60
tnagatt                                           67

```

<210> 3316

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<400> 3316

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aggatgatatt tttttccctt catcttggtc agagagtgga ttttgtattt tgtattttaac 120
ttgcattcaa aaaacaggat ctcagttctc ctttcttgta aagtaagaaa atcttatttta 180
tgatatatac agttaactta ccttgcctca acagaagaaa ggtaaataat tacattttttt 240
tcttttagga aatatcattt gtggcaggcg tcaaccccat tttattttgtc cttatttcctg 300
tggaagcagt atatgttttc ttcctgaatg ctcatttagga cttcttaaaa nacatgaaaag 360
taatttggaa gtaagtttat ccaataaagc agtattttcta cccttttaga tttgataaan 420

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2890

atttttatta ctaaagaatc tccccagaca ttntcttttt ttnttcacac ctnggattta 480
agtatcttgg attggtacna 500

<210> 3317

<211> 64

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 3317

gagacttttg acnnttntta gaggctaacc cagagggtag anaggagaac agttggattt 60
ctgn 64

<210> 3318

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

2891

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 3318
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aaggtctcag ggaggctgtg cggggagtca ggataggctg gaagcctggg gatggcctgt 120
gtggaggtgg cgtctgtgcc aggcctagaa gtcatacggg ggaggtagca accctgactc 180
tgagtccaac tctcgtgtgt ggaactgggc tggccctgtt tctcactgg cctgaattt 240
caatccgttc aataaggggt tgggcaagat gatttctgag gtgctatcca tctctgtcca 300
gcttagcctg gaaggtcaag tcttggacac acagacagat gatgggacag cccagcacca 360
ggctcagccc ctggtgggga gcgtgtgtgc agcagctttg gtccctaaata ataataacac 420
aatggtgcc ctaacggaga tttatggagc tcttttccgg ccatgaactt cgtgtncctg 480
cactaatatg aagccattta tctaaaagtc aagttccctt tatnccgnng aaaaanatggc 540
ctcttcg 547

<210> 3319
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)

2892

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 3319

accaaactacc gggccctgng ctctgtccan gcgencagct acggaagccc ggacggtcag 60
cagcgnaggt cagcgtctat gcgagntctg ggggctctgg ttccc 105

<210> 3320

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

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<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

2893

<400> 3320

tgcacagact nctggcntat actcagaata aaatttacat aatgctttac atactcacia 60
aattgtnttg ataaacatac tnttataatt gttgcaacac cttgggaaat agctggnnct 120
atattactgc gt 132

<210> 3321

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

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<220>

<221> misc feature

<222> (481)

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<220>

2894

<221> misc feature
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<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 3321
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gggctgtcgg ctggctgggg ctcatgcagc catccccctt gcagccatcc gggtgacctg 120
cataggttcc tgcgggggtct ccaacaaggc taatgacaca gcgtgggtag tggaggaggg 180
ttacttcaac agttccctgt cgctggcaga caaggggagc ctgcccgtg gagagcacag 240
cttccccctt cagttcctgc ttcttgccac tgcacccacg tcctttgagg gtcctttcng 300
gaagatcgtg caccaggtga aggccgccat ccaaacgcca cngttttcca aggatcacia 360
gngcaagcct cngngtctat atcttgagcc cctttgaacc tnaacagcat tccanacatt 420
ggagcaaacc caaccgtggg ccttctgcca ccaaagaaan ttcttcctac aagcttggtt 480
naagaacnng gcaancgtgg tcccttnaca agcca 515

<210> 3322
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>

2895

<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<400> 3322

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gcccacaccc ggcctaataa ggaatattct gaataacttt atgccaataa actcaacaac 60
ttagatgaaa tggacaaatt ctttagaaga caaaaactac cagtgctcac tcatgaagaa 120
ataggtgagc tgaaaaatcc tctatctatt aaagaaattg aatttttagtt ttttaactttc 180
ctataaagaa aacttttagca gagaggggta ggcaccatct ctgctgtttg gtcgactcag 240
ccattccagc ctgcggggctt tggagagtcc aaaagtttca gacaagggag cgtcccccca 300
gcagcacaac atagtggctt tgccagatca tgaccagact gctgctttta gcagcctgga 360
tcacttcctt ctactggggc agggactccc agttggggcc ttcagccatg cccactggca 420
catactatgg acagagctct gatctctccc tgggatggag tgccccaggg aggggagggc 480
tgccacctgg gttggatgga tgactcaact gttccaancc tgcangcttt gganaagtcc 540
aagctgatgg ggcagaannt gg 562
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<210> 3323
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
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<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

2896

<400> 3323
gcccacgcgt ccggcctcac tagtggcaag ggcaggagcc actggggaga ggacaagagg 60
cctgagacct gctccccagt ggctccaggc ctactagtg gcaagggcag gatgaggctg 120
cacgcgtggg aagagtctat ctaagctctt ggcttggagt cccgtgtcgt ctccaccag 180
aggaagttct ccanagttca cttttccctt ttcttggagt tgtgctgaat gccccacccc 240
agctctcttt cccttctggg tgtctttgct ggganggggc tgnngtgtna gccctaccgg 300
nt 302

<210> 3324
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)

2897

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

2898

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 3324
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tcccatttag aggcagatgg ggccagagtg ttctagagat ccagactcta gagctccgat 120
cccatccacc cctcagctgt ggnacacac caacgcggag cagccctcac cctncccatg 180
caattaggac gaggtgagcg cagacgtcac tctaagctca aacttttcgc agtctcttcc 240
cntgnggnaa aaccatannc ntcnagccca aacangggtn gaaaggccaa atctnnanaa 300
aggttgcagn cgagagggaa ggctccctct gcgcctgaan gccccangt cctcggnttg 360
gggggaactc ttcagcacan ctttctctgg acaccgaag gaagaatc 408

<210> 3325
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3325
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ggtgagatcc cttcacgtcc cctggcctcc agtgtcatct gctctgcgtg atatctccag 120
ggggacctct ctgctgggct ccaggccgca tggctgtggg tgaccagcat catgtcccac 180
cgggtccctt gcagtcccag tgcacctgcc tgetcatcca gggacctgtc ctcactgcct 240
gctgctgca ctgtgtggaa ggacagaggc taaacgacga agcctcgagc tctggtctca 300
tggaaatggc agcctgcccc ccaccacgc ttgccagcc tttcttcacg cattaaaacg 360
tggagagtgg aatcttcttg gccaggtaa tgcgcctttg ctccgacatt cccttacta 420
ctcactggcg agctcagttg gaaattcact cccaatagga gttccacggc agacacatcg 480
tgagtcattg cagaactttg ncttttaatt gcagaatgtt aaagaaagag tctcaggt 540
agcaaagatt ggcttttcag gggcgatttt atggagctat taactcagag acaccattac 600
ttaaatgtaa tttttattat tacaattaaa gactgatttt gattttatga aaaaaaaaa 658

<210> 3326
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)

2899

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3326

tggactgact atggcactct gaggctggcc tgcacgggct cannccatga ngangagaac 60
cgatcccttg ccttgcccct cctgtggca gggctnactg cctgccctcc tgcttgca 118

<210> 3327

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

2900

<400> 3327

cacttacat cttgccttcc tccttgctct gatgaatttg aactttcngc ctaatgtgga 60
cgctctggnt nagcttcann aggaacccatg aaccacttac tgg 103

<210> 3328

<211> 66

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

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<220>

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<400> 3328

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tgggggt 66

<210> 3329

<211> 366

<212> DNA

<213> Homo sapiens

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<222> (353)

2901

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<222> (362)

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<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 3329

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ttgaacagtg gtgagctggg ctcacagctc catccatggg cccattttg taccttgtcc 120
tgagttgggtc caaagggcat ttacaatgtc ataaatatcc ttatataaga aaaaaaatga 180
tctcttatca attagcactc actaatgtac tactaattga gcaacctacg cactcagttg 240
actacgtaaa tctgtcaggt cttttgtgat ttctctgat gcaggagagg aaaaattgta 300
attgatgaaa ataatgaatg aaaatcaacn gatgaataaa tggttcttta tangtgaaaa 360
ananna                                     366
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<210> 3330

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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<222> (74)

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2902

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<220>

2903

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<220>
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2904

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<400> 3330

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gcaacgcaat taancacgga attgcatcaa aganatgnaa catggatgng aagagatttg 120
gccagtgtgc ntgngncaca gcaatnncna ngntggatan acttaagcta atgctaactc 180
aanagactat gcnactcatg acagcgaant aattgagttt aaatcgcata aganctgaaa 240
ttcacngaaa gatggaagat cttccttaac aaganagaaa atataaatgt tgnagatgaa 300
ttanaaatgc acttttatga aattcagtta cnaactatat gaagttaaan t 351
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<210> 3331

<211> 443

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (5)

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<220>

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<220>

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<220>

<221> misc feature

<222> (70)

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2905

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<221> misc feature
<222> (82)
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<220>
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<222> (154)
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<220>
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<222> (209)
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<222> (236)
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<220>
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<222> (309)
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<220>
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<222> (330)
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<220>
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<222> (362)
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<220>

2906

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<220>
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<220>
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<222> (439)
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<400> 3331
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aaatacccan cagagaaaca tntgaagcca ataaagagag aagaaaaatg acatcaaagt 120
caagtgaatc aaatatatat tcacctttta cctnttttat cactgctgat tcagaactcc 180
atgacattat taaagatttg gaggattgnt tgatggtggg tctacacact tgtggngatc 240
tnggntccaa atactttgcg aatatttacc tccaactctg aaatcaaggg agtttgcagt 300
gtgggttgnt gctaccacct cttatctgan gaatttgaaa accagcattg agaacgtact 360
cnggaaaagt ggggatttcc aatggggccac tattttaaagg aagagagatg gtgctgnggn 420
cgtaatgcc aatgtaanc atg 443

<210> 3332
<211> 376
<212> DNA
<213> Homo sapiens

<220>
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<222> (257)
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<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2907

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 3332

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caccgtggca tttgccttaa ccacgccatg cccctgacct ttgtatttgc aagtcttgag 120
gataattaaa atggggaagt atttttgtgc ctatttggcc ctaggctgaa gagtttcatt 180
ctgtctctgta gtctgaggct aacctaaaca cattaactta ngaaccgacc tgacttctga 240
ccagggacaa gaccantgt gggagggttat tttggattac accagtctgc tttggtctgg 300
gtgtaagcat tgttcngct ctgaatgtgg nttcacctg aatcacccan catacaccgg 360
tctcattggn tgcctg                                     376

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<210> 3333

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 3333

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tattattttg ctgactgtgg nttcatnaac acantaaaaa tatagcttgg aaaaaaaaaa 60
a                                                    61

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<210> 3334

<211> 491

<212> DNA

<213> Homo sapiens

2908

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<220>
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<220>
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<222> (53)
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<222> (66)
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<222> (82)
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<220>

2909

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<220>
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2910

<222> (323)

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<220>

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<222> (337)

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<220>

<221> misc feature

<222> (338)

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<220>

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<222> (406)

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<220>

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<222> (445)

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<220>

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<220>

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<222> (460)

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<220>

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<222> (491)

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<400> 3334

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tgattnctgt gtccttcatt gngtcngaag gntgacanct gagttgtngn cctgagggng 120
tagtatagng tgnncttaaa catttnaggn attnttgaat ttatctatgt tgnctttgaa 180
tcttttacag ggattctata antgccgtca tgtaatctgt tacagaaggg aggctgtgtt 240
ntgtgtcttg tatatttctt ttctttcaga aattacagat gtttataatt agcttcaaac 300
actgccttaa tagcaattgg aanataactg ccgtcanncg acgtggtctt tccctttact 360
tcatgaggag aatgactact aatctggaag aaagggtctta ctatancact caggatcacc 420
agagtatgtg ccgaacactt tctgnnttaa tctgaaaatn tgagtcattg aaaatggaag 480
atttgcaaaa n 491

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<210> 3335

<211> 157

2911

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

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ggtgagtttg aagaggttct gattttcttg taacctgga aagccatgac cttgngccccg 120
attctttinan atngcttttg gtaataaata ttggngg 157

<210> 3336

<211> 248

<212> DNA

<213> Homo sapiens

<220>

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<222> (211)

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<220>

<221> misc feature

<222> (212)

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<220>

<221> misc feature

<222> (222)

2912

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<220>

<221> misc feature

<222> (223)

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<220>

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<222> (225)

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<400> 3336

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cgcggagccg ccgcccgcgc gagccgcatg cccccaggac cggaggtcct gcagcggccg 120
ggccgggggc gaccgcgtct gggaggacgg agaacatccg gcgaagaagc tcaagagcgg 180
tggcgactag gagcggcgcg agaagccgcc nnagcggaag annngngctgc tcatggccta 240
ttcgggca                                     248
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<210> 3337

<211> 63

<212> DNA

<213> Homo sapiens

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<220>

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<222> (34)

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<222> (35)

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<220>

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<222> (54)

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<400> 3337

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gtgacatggn nacacaactg gacacgccag gaanntggca gttcccagac ccancaatga 60
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2913

tag

63

<210> 3338

<211> 377

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<220>

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2914

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<220>
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<222> (371)
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<220>
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<400> 3338
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cggaattccc gggtcgaccc acgcgtncga ggtagatgg gctctgncca cactagncat 120
tacaacatca cggaaagatg aagttagaga cttgggtatta anctttggta tgccacttgn 180
attagattca caatcttgta ggctgggcaa gatgcttanc ctgtcatggt ctgcntcctg 240

2915

tnctattcaa tgatgattat tatntacttt ataatatcat aaagactaaa caggctcatg 300
catganatat ttgggnagag gagnetggag tatgtaacac ttgacattac tgggtactatt 360
caaaaggatc nctgntt 377

<210> 3339

<211> 269

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

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<222> (27)

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<220>

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2916

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<220>

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<222> (243)

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<220>

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<222> (246)

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<220>

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<222> (249)

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<220>

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<400> 3339

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cgcnccgac ccttanggcc ttttacgctt aattcctggt gaaggntggg anangaatgg 120
canctgaagg gcggtntnaa aatttccctg ggggggcttc tctactggtct ctactcatnc 180
agtaagggga tctgtgacca tgtgtgggggt gggacaggag agacacacgg ggtcctggaa 240
gcncntngng cacangatgg gagggcaca                                269
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<210> 3340

<211> 159

<212> DNA

<213> Homo sapiens

<220>

2917

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<220>
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<222> (37)
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<220>
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<222> (39)
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<220>
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<220>
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<220>
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<222> (135)
<223> n equals a,t,g, or c

<220>
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<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
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<222> (157)
<223> n equals a,t,g, or c

<400> 3340
ttggtatgca acaaatanga aactgataac ctggctnann ctacaattca atggaaccac 60
tattttgttc ccttggtggn tactaacact tccaaaccag cagactcaca gttgccagga 120
caggaagcaa aaagnctgna agccggttat taggngnaa 159

<210> 3341
<211> 152

2918

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (7)

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<220>

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<222> (10)

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<220>

<221> misc feature

<222> (40)

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<222> (132)

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<220>

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<222> (144)

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<220>

<221> misc feature

<222> (152)

2919

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<400> 3341

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ngnccgnagn gattggcaaa ctcccagcgg tttaagggtg taaaagggcc ccgcaggcca 60
ccagggtccg gaattcccgg gtcgaccac gcgtccggat gtgccaggga gtgggtgtgg 120
agaccggac angggcgag nnanactcac an 152
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<210> 3342

<211> 417

<212> DNA

<213> Homo sapiens

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<400> 3342

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ggacgccaga aggtatagga ccatgtggaa ttcagaaaag ggagccctga agaattgagat 120
tttattgttc ttaccaggag agtccagggtg ctagagttct ctccttgtaa gtgactaacc 180
ttctcccttt tggtacacaa tcctcagatg aacggagatg attcattagg ccattctagc 240
ttaatggatg catcactgtg caaccacgca aatgcctcat ttctgattca ctcatttaat 300
atttattgag gagggtggg tactaggcca ttagaagaac aaacaacaac aacntagggc 360
tggaccttgc acttgcagag tcacaggcta nanaggcaca cnagntaata tagaaca 417
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2920

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2921

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gcctcaggga aacacgggcta cccaatgcc aagatggtaaa cntcaactc gaagagnaag 120
atcaggacgt atgcttaagg tagnaagggtg aggagnagnt ggtaggcagt atgtttgcca 180
gtgacattga aggtgagaga aacaaaaatt acaaatgaat gatattttct caatnctgng 240
gaagaagtgn tacaggcagg cctttgntct tagagctncc aagatgg 287

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<211> 322
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2922

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tcttcacagt agactcagag cttaggtgtg agggaatgag acgacacaga tgggtgtgga 120
agccacctgc ctaggagccc cattccccca ggaacacatc cagtttcaag aatgtcgcag 180
tccagatgtg ntgtactaat cacaggtcat aagcagtgtt gcctgtaata tagctgacat 240
tcgacaagat ttctaaggaa acagttntgg aaagttaacc tgtggatgtt aagtcctgct 300
tcattgntgg ncacttangn tg 322

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2923

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<222> (91)

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<400> 3345

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gaatgtggag gnggggagga aggtggaagg ngagctgggg gg 102

<210> 3346

<211> 156

<212> DNA

<213> Homo sapiens

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<222> (35)

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aaatgtttat accgtagatc ctgagatcag caccggacac tgnanccaaa tntnttagga 120
ggcacatcta cgtactagag atttgcnttc catagg 156

<210> 3347
<211> 280
<212> DNA
<213> Homo sapiens

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gtaacctcca ttcccaccca gagtctctga ttcaactctg atttgaccct agcttgtcac 120
cctgacaccg actccacagc ctttggctct tggcactctg atcccgaccc ttggccctct 180
tccactggga agtagcaatg ggtggaccgc tgggctgtgg tctgggtggg ctatagctgt 240
ggcctgaccg cacactgcaa caactttcaa tgccccccaa 280

<210> 3348
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<212> DNA
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2925

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gggggnncga gccaaagttg ggtggaaaaa accccattgg 100

<210> 3349
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<400> 3349

2926

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aattgagcaa tgaactggaa ggcttaggca ttcgcttgaa caggaaaccc cccaacctn 119

<210> 3350

<211> 602

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<220>

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<220>

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2927

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<400> 3350

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gaaaattttc aatgagtcac atcattttct tccaattttt tcatacagga aaacatgggt 120
atatattata aatgcctcta ccttagtctc tctggctctt ggataatctt gcatattgct 180
actgaaattt gggagttcct cctccatata gcagagtana tacagagtgc tgccaggagc 240
tgccaccctg agcacagaag gctactctgc agcagccttg ggactggggc acatggncat 300
agaagcagcc anaaaggaag aaagggtggg gtgaagccaa aattcaagcc aggcattttc 360
aacttcagcc cttagctagt gaggtcattt tccatgtaat ctctgggtcc actagattca 420
atgnctctta aatggtgaac acacaaaatc tgaacccatc ccatgaccat ccagaccaac 480
acaatgatgc ttgcattcct gggcattggc attggatcag gaantagtgn gagtccanaa 540
ttaagcctgg gctttgaggt accctttgac cccactttca tgagggcttg gacttanaga 600
ng 602
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<210> 3351

<211> 433

<212> DNA

<213> Homo sapiens

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<222> (8)

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<220>

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<222> (20)

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<220>

<221> misc feature

<222> (49)

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<220>

<221> misc feature

<222> (66)

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<220>

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<222> (114)

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<220>

2928

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<220>
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<222> (288)
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<220>
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2929

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<220>
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 tcttgncagg catttttgaa aaggctgatt atgtgtatca aggtacagca tcgnagggtt 120
 ccctaaact tgccctgttt ttgttttttt aggtttgcta tccccttact gancggtctc 180
 tactangtgg ctgtgattaa atgtcccaag caaggatagg gaaggggaat ggntgagcct 240
 ctggagatca ttgtaaccaa tnntgncana cctgtttggn gcagtgnnga gcaaacctag 300
 ataangacct gtttggggca tgacnggagc anaatctcct ttaacaacca agcagttcct 360
 cattcacatc aaccagagnc gaggctgtga tnacttagga ngntancaat cctaataagc 420
 cttcagtgcc att 433

<210> 3352
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 <212> DNA

2930

<213> Homo sapiens

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<222> (47)

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<220>

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<222> (54)

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<220>

<221> misc feature

<222> (57)

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<400> 3352

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<210> 3353

<211> 54

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (4)

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<220>

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<220>

2931

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<220>
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<210> 3354
 <211> 518
 <212> DNA
 <213> Homo sapiens

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<220>
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<220>
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 catttccaag catgtgggag ctgagttcca tctctttcag gttaacatat gtgtttctat 120
 gcctgactct caaccttgga cctgtacctc tgcaatcact tggccctgga tggatgaggg 180
 aggggtggcat gtgaatagaa actggaccag ggagaccacc aaggaatgat gtgccctcga 240
 gcaagaggaa tttaagttta tgtcattata aagctctgaa gatatttcaa tgattatgat 300
 ggacaaaatg gagctcttaa ataatcatac agggaggcaa gtgtgatctt actgaagaat 360
 gaagagtcta atgtagtggt tccatgttgt tttgggagtt gcagtctggg ttctcaggga 420
 tcttcactac caccctcac cttgccttga cttgttacac tgattctgct gntgaggact 480

2932

aaaaggtnngg aaagcnga atnntattca aatgcata

518

<210> 3355

<211> 494

<212> DNA

<213> Homo sapiens

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<220>

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<222> (251)

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<222> (316)

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2933

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attttgcattg ctacactaat ctctgtttaa tctatccctt ctttattcag agcatgctgt 120
caaggtccctt taattccaat ttactactg taagcagttt tctactgtggc agctctaggg 180
atctgcatgg cagccagggc agtcttgcc tggagtgttg agacagaaga ggttctgggtg 240
ggcacatttt ncgagtgagt acctacact gaccaatact tttagcttgt agaagagaaa 300
accccaaatt ttaagngttt ttaatgnntc caggaaaaaa aatgnntact ctgggggttag 360
aaaccttgat tncctctgag ttcttccatg gctnagttct aaatctttct tcagagctga 420
taaattncatt atctcctgag tttcttttgg tnataaacna atgatgtant cagcccttgg 480
tttatgcaaa aaan 494

<210> 3356
<211> 477
<212> DNA
<213> Homo sapiens

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<222> (14)
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<220>
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2934

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<220>
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<223> n equals a,t,g, or c

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<222> (84)
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2935

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<222> (230)
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<220>
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<222> (256)
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<220>
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<222> (273)
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<220>

2936

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<220>
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<222> (293)
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<221> misc feature
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<220>
<221> misc feature

2937

<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 3356
gncaantata agtnattaca tgtnttttatt tgngtgtgat taaaagcata aatgttcaat 60
gtcancattg aaaatatatc acanttttgt aacctttatc tggagcattt cttcattnac 120
ttatatatca ngaatatata aaaaaaaaaatg gactggacca ntcaatgcca ntganccctg 180
cntttgnngc tttaccata cttgcaangg tgatgctgtg aangctgaan actggtcang 240
aaattggaan ancttntaaa gaacattttt tnncacanca aacctggtnt ctnaaaattn 300
ctatntnttt ctgaaaagtg cccagtntct nggaacactt aaaataaatt gtcactgaaa 360
taaaaccttg accttcagaa aatgganaac ctgaggttat cttcaaaaaga cagaattgct 420
aaatttttca actaaaaatct tgaacactat tacnactagg aggtgntcct ttgnntg 477

<210> 3357
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)

2938

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<400> 3357

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gtctataccc attttgggta tagaagataa aactattggn atttcgtttc ttttctgtac 60
ccaaaatgga ggttaaaagt tacactaaaa ataacacgat tgcaccaaag aaagcgtccc 120
atcgtatcct gtcagacacg tcggacgagg aggacgcgag tgtcacctg gggacaggag 180
agaagctgag actnttggca cataccgata ttgcctggta gtnaagacac canagccttc 240
taatgccnan cagtt                                     255
```

<210> 3358

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<400> 3358

```
gaatatccct ggccagantg atgccttgct gaaggttacg ctgtcntttg ggagagcgat 60
nctcntgcct cagactnttg agtatttggg acaacaggca                               100
```

<210> 3359

<211> 94

<212> DNA

2939

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3359

gctagttcta gatcgcgagc agccaccac tgggagtctt gtttttatTTt ataataaaat 60
tgttggggac acctcaaaan agnananntg aaaa 94

<210> 3360

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

2940

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 3360
gcacttgcag aagatttcag ccccgccac gatgtttgct gtcagcggat ggaaaagtct 60
tcctcaattt atggttcata cccattctt ctgaagtgct ggttatgttc aaaactctgc 120
cagaaaaggc agctttttaa gccttaaagc gaactctaca gctgatagct cctctgcatg 180
atatcgtggc ctaccttgtc agttttgcta agcttgga ttgtccanca tgttttgaat 240
ttctcgnagn accnaccctt tganaggtga ctgg 274

<210> 3361
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

2941

<400> 3361

aatgtccgna cacgggtcccc aattgccggg tcgacccacg cgtccgtgtc accattgctt 60
ttgacantnt tcaacactga gcaaaactcc ggggcaaaan tgggggnnaa 109

<210> 3362

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

2942

<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 3362
cnaacnccatg gccatggcct ganaactctt ccagtatatg tngcagaagg agcgantgga 60
accgctccac ctggcaactg ccgaccctca cagaagctgc tgaaattcnt gaataagcac 120
ttnatctgga gatcacagtc cnannggtga acaaatt 157

<210> 3363
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3363
gctcttacgg tgcaatcctg ccactatagc ggcaggattg caccntaaga ggnnangttc 60
taaatn 66

<210> 3364
<211> 88
<212> DNA

2943

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 3364

cggaagaat ggcagaactt accaaacaat taaaagagaa attccttttg aacccttgaa 60
nttattgaaa ccggaacntn acgnattt 88

<210> 3365

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

2944

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>

2945

<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3365
gccgcacatg agccatgaga gcagctgcaa ggggcagctg aataattatc tggaggtaac 60
tgggtttgat tcagactctg ggaacaaagt ccatagactg gagctcctgg gttgaggggt 120
gtctgttatt gctcaatcca gggtcagaag aggactgggt agctcattgt gtgtctttta 180
caatggtaac gacttttcct tttctcacga gtcttctgag ttagagggaa tgacaaaaac 240
agccaaagga ttaaagggtc aatagctgag ctggaaatac tangatatgt ggctggacta 300
aaccaccatg aaaagcaaaa agaaagtggg agatgaacta ngtangaatn nananatang 360
gagggaccac tgattcanaa gngacttanc aacgatnata acttgcaatt atataccttt 420
taaaataact ctcatactga tctgncactg angaatactt cctacatggg acctgtgctt 480
aaaaacataa tgtggatttt aggccacac tgnntcngga at 522

<210> 3366
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>

2946

<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 3366
gagataactg ccaaaaatca ccagaaaaat actttttcaat ttatgagcag attattacaa 60
gagcaatttta ccaagaccta ccaatgaaca atgaaaacta tgaactgtta ttctaaagct 120
aatagaaaga tgtgggttttc atgtccatctt ccatcatctg cacaatgtaa cctttaaaaa 180
tattttcttaa agtggttaagt ttatgggagc aaaaaaatat tgaaaaatta tcagaaagtt 240
cacaaaaacc ttacaaactc acatgtcatc agattaaatg ttctcagaga gcctgcagtt 300
tttcacactc cctgcaacct catgggtcatc gctccacagc aagataaatg ggtgacaaga 360
caatcctctt ctantttggg tggcaaatgt caatatcagc atactttcaa gncctttctat 420
gtaaatctgc aaatanagcc tggncctttga tttaacttat ttgagtgtctg nataagactc 480
ttagaatgac nggttcttctt ggtttgacan aagnaaggcc tttatctatg tctcaa 536

<210> 3367
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>

2947

<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 3367
gannacgcgt gcntagacag cagagcacac aagcttgtn gacangagcc at 52

<210> 3368
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3368
anatataata aatgaganat aataagagat antatatata aataagtata aaantaggta 60
aaaatatg 68

<210> 3369
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

2948

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3369
ccgngagatc gggacgcgca acnggccgtt ccgggttttg ttaaatnaca ttgtattggc 60
agcaacagtn taacaagagg agtaagcaag ngtggtaaac 100

<210> 3370
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2949

<222> (83)

<223> n equals a,t,g, or c

<400> 3370

```
ggtgggctgc agtgatgact ttggctttnt ttccaaaaat gacggnagcc atactgtgat 60
ccctgncccc aantgctgca cana                                     84
```

<210> 3371

<211> 92

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3371

```
ggtgatttaa cagtgtggga tgataaaatg aggtgtctgc atagnaaaa agcacatgat 60
cttgaatta cctgctgnga ttttnttna na                                     92
```

<210> 3372

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

2950

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3372
gcgagagtaa ggaaataaaag ggaattgcct ntggctagag agtnggtag gtgttaatac 60
ctgntagaga tgtaacggat atnacctccn ttt 93

<210> 3373
<211> 87
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2951

<222> (82)

<223> n equals a,t,g, or c

<400> 3373

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gcacttgcag aagatttcag ccccggccac gatgtttgnt gtcagaggat ggaaaagtnt 60
tnntaaattt atggttcata cncatt 87
```

<210> 3374

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<400> 3374

```
gaggtacacg gcanctngag aggaatgcnc cnggagaaaa gaccaacgca ctgaaaagaa 60
gccgacttag nagttcaa atacagatgaca cccagctgcc nagcgaaaan gccaaaggaac 120
aa 122
```

2952

<210> 3375

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3375

agcgaatcna gtacctccaa ganggaagac tntctgngag ttctactccc ataagtcaga 60
tgccctcaac atgatcggtg ttgtgcgacc tgcaagtatg ag 102

<210> 3376

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

2953

<221> misc feature
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (37)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (284)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (295)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (317)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (333)
 <223> n equals a,t,g, or c

<400> 3376
 gcntcanaat aagtaaagtt taacantgat tcancanttg tcattatcaa agaataaaaag 60
 actcaagaat atgcaatact ggggagactg ctgagtcact gtggccattt ttagataaac 120
 cttttcctgt ttataataaac acatgctgat tgtaggaaac tagaaaatac atgaaagtgc 180
 agagaaaaga ctaaaagtca tctatacttc aggtcgtaga aataaccact ctgaacagca 240
 cacttctttt tacactattg ttttacactg ttgggattac atanatatat atgtntgtat 300
 nccactttgt gaacatnatt ctatgtgaac tanaaatgg 339

<210> 3377
 <211> 67
 <212> DNA
 <213> Homo sapiens

2954

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3377
gttgacgcgt gggtagttct agatcgcgag cggncgccct tttttttttn tcccnnttcc 60
cccccan 67

<210> 3378
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>

2955

<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
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<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3378
gcccgtttcc cggncaatTT ttncCcttt tttnccCnc aattaaagnc ccaatttcca 60
aaaaaaaaact tgggggaacc caaaaacttg ggggcccttt cttttccctt tttttccccc 120
cttggggggg aacccaaaaa aatttttaaa gggggggccc ctttnaaaagt tcccccttta 180
acccgggncc atttgccctt tgggccctta atttcttggg ncttctttcc tttcttttnc 240
ccccttggn cctgggntct tggctcttct gaagcttctt gg 282

<210> 3379
<211> 90
<212> DNA
<213> Homo sapiens

2956

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3379
gatgagagct gccataagag ggatccctga gcagtgagac tcaggatgga atnattggan 60
nnaattgcct cctactttgc angagggcaa 90

<210> 3380
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2957

<222> (57) .
<223> n equals a,t,g, or c

<400> 3380
gtngacgcgt gggcgcgcg acagagctct ggngcgccgc tcccagncac agccttnccg 60

<210> 3381
<211> 208
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
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<222> (35)
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<220>
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<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (45)
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<220>
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<222> (48)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

2958

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 3381
gcttgaaatn agtgagagca gactnaccaa acctngntgg tggancntng tgttccgttn 60
gcctctaggt ggcagtcaca gcatttataa gtcctgtcat attcttaact gagattttga 120
gtttgagccc tgggaacatt ggagactacc aaaactncct agttntggcc tnttncttga 180
aaattganaa agggaagaac tgaaacat 208

<210> 3382
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

2959

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 3382

cacgcntncg taaaaaatga aggggataat atatgataaa tnatgntctg atatacctcct 60
acagtagttt aaattgacag aaaaatttga atgn 94

<210> 3383

<211> 111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 3383

ggngagtata gggaaagctg ggacgcctgg agggaacggg ccggaatncc cggnggganc 60
cangtgtgcg gggttggagt tatatggaga aaggagagat attaagnata g 111

<210> 3384

<211> 100

<212> DNA

2960

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<400> 3384

gcactgggag aagaacctct cataccctcg gtgctgcagt ggcccagctc actcggccca 60
nacaccatgt gtgannagga tnaccatcgn gtcgtgtgt 100

<210> 3385

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

2961

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3385
ggactgacaa cactccacac ntaacaaccc aacagaatga aagacaggtc ctttgctagg 60
tatactgttt acctcagtct ccactatccc attacacaca aggtctagca ttcaataaaa 120
aattaggata cataccaaaa agcaaggcaa ataatgactc cttatcaaga gataaagtag 180
tcaacagaaa cagaccaagg agtaatgcac ccagatgtta gaacccatca aacagggact 240
ttaaccaagg tgagcattat aaaagatata gttgaaaagg tggacagata ggaaacttca 300
gccaaacaat gaaaactata naananaaca tanatgcnga aaaaaattg 349

<210> 3386
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

2962

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 3386

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gcggaacgcgt gggctgacag tgtcttacac aatgatttat acacataggt acaaagtaaa 60
taagacacat tgtcaagctt tcttttagatg taagtatttt caaaattatt tttaaaatga 120
ctttcaaagg ctttaaacad agactatcaa aatcattgac attttctgat acatttctaa 180
gttcaaagtt atttggggag tatctttttt ttaaaaaaac agacagatga ngcaaccata 240
tattttatat cttacattac cacctacata gatcttttga gcattatatt aaattatnct 300
antatattgg aggcactatga ntggaatcat ttgnaaangg cat 343
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<210> 3387

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

2963

<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 3387
ggtagatatt aaaaattatt ttttctaaaa ttaatgttat actaaaatca tagtttgaat 60
tgctgacata ttaattgtgg attaaataat ctatatctta cagactgaat catattcatg 120
ttgttgatgt cctttanaac aganaatggg taatgtgtan attaactata nagacattac 180
cagtgtacat aaaagctatt aaaaatctta atattgtaat ttancactgt attccctnta 240
cctan 245

<210> 3388
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3388
gcctangcgt tcgctgcgaa gctgaggatg agtgatgggg tggaggcagt aacaggngcg 60
gcganaggag aagtgat 77

<210> 3389
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>

2964

<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3389
ggcaatatct gttgcagctc accctttttac atagtcccca gattattttg actgatggaa 60
ttaaccagg gaacaacaat gggggggtca gctccactct gtgtcactct gggaactgtg 120
caaccaagaa taaactagga ttttgttttg gcatagcagg tgaggaaaca caggctgtgg 180
tctcttgcaa aagtctgtct gaaacttntc tnactntant cctattctca ttanact 237

<210> 3390
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3390

2965

gaataaacat ttgtgtacaa aatgaaanan ntacaanata aagaatataa aaanatgaaa 60
aaa 63

<210> 3391

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 3391

gacttcngta agctcacctg gaaccntacg actcattana gggaaanctg gtacgcctgc 60

aggtaccggt ccggaattcc cgggtcganc cagcgcgtccg aagatattcc tttttttgtc 120

2966

ctagagaact tattttcctg ngaaaatgcc taccacaaag aagacattga tgttcttata 180
aagctttttc accagccttg ggtccttcat tgtaatttgc tctattcttg ggacacaagc 240
atggatcacc agtacaattg ctgntagaga ctctgcttca aangggagca ttttcatcac 300
ttacggactt tttcgtgggg agagtagtga agaattgagt cacggacttg cagaaccaa 360
gaaaaagatt gcagtttttag agatactgaa taattcttcc caaaaaactc tgcattcggt 420
gactatcctg acctg 435

<210> 3392

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

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<220>

<221> misc feature

<222> (267)

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<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

2967

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
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<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
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<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3392
cttatatggg ancctctacg actcattata gggaaanctg gtacgcctgc aggtacacgg 60
tccggaattc ccgggtcgan ccacgcgtcc gaacgctgat gtcntgcaga aattatatct 120
gagtgcattt ggctggacta gctatttccc ttgtgcactt gatgatgctg caagggaatt 180
tctcagtttg ttctgctcca ggagaacttc ttgtcancat gggcaactct gaaagccttc 240
tctgattagc ctcccaagtt ttctggntnt antaaaattg gaagcagtat atatgtngct 300
aaatttcaat antgtgcact gncgtagtac atctactttt aaggacttgg taccttnnat 360
ttaatatatt angtaaaacc atgtaaaact ggcatttttt ataagttaaa nattgtngac 420
ta 422

2968

<210> 3393
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>

2969

<221> misc feature
 <222> (345)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (372)
 <223> n equals a,t,g, or c

<400> 3393
 nacgactcnt tatngggaaa nctggtacgc ctgcaggtac cgggccggaa ttccccgggtc 60
 ganccacgcg tccgcccacg cgtccgcacg gcgtccaggg cgaccagccg cgggcccgcag 120
 ggcattggacc ttcaggccgc cggggcccag gcgcangggg ccgcggagcc gnctcggggc 180
 ccgccgctgc ctagcgcgcg gggggcgccc ccagcccgg aggcctggctt tgctacagct 240
 gaccactccg gtcaggagag agagactgag aaggctatgg atcgactagc ccngngaaca 300
 cagagcattc ctaatgacag tccngcccgg ggtgagggca cccantctga agaggaaggc 360
 tttgccatgg angaatgagg actctgatgg agaactgaat acctga 406

<210> 3394
 <211> 74
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (52)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (54)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (56)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (68)
 <223> n equals a,t,g, or c

<400> 3394
 gcaaaaatct attgtggtat gcacttgatt aacttattca tgtgaaagtt tncncnaata 60
 nataatanga tgat 74

2970

<210> 3395

<211> 66

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3395

gCGGacgcgt gggcagactt ccagaatgag gtctgtgctg gcncttnctt tcncacacga 60
ncntag 66

<210> 3396

<211> 68

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

2971

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3396
gccccacgcgt ccgngagcgg ccgccctttt ttntgtttt tgntggaaat atatagntgc 60
actgagtg 68

<210> 3397
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)

2972

<223> n equals a,t,g, or c

<400> 3397

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gaagccaaca aggaagaagg gggagaaatg gatttgggca gccagacagc actgtctgct 60
ttacccgcct acctccatgt atgaattggt tggttcaaag ggtgctgcac aggattcctc 120
agggctacac gagttaaaga caaagattca aggacctgg aagagtctct ctgtcaaggc 180
agtgtctggca tctgcagcaa gatagagctc cctgcagggt gtccctgggtg aaaactgcag 240
acaagtgtct tgaggtgctg ctgcagtngg ctctcacca gaccagttct gcagcgtggt 300
ttgagtgttg ttcttggtg caaacctgct tctccagccc gctactgatt ctggaagctg 360
ccaaatatcc ttttaatgaa ttccttttct gctaanaaan nnn 403
```

<210> 3398

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3398

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acacaggggg gggaaaaaag gncaacgggg ttaaacagnc cnnctggcc caggggggttt 60
aaaccgcggg ggtacccgg ggggaaaatt ntttacacac gggag 105
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<210> 3399

<211> 76

<212> DNA

<213> Homo sapiens

<220>

2973

<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 3399
ggtgagaaca agagagctgt aagacgcatn cgtaatgatt gggggggggct aaaaaaaaaa 60
tntntncccc cgggnc 76

<210> 3400
<211> 108
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (19)
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<220>
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<222> (41)

2974

<223> n equals a,t,g, or c

<220>

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<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3400

nggggaaaaa aagccagnng gctaacaggc aaacgccaag nggttaaacg cgggggttaca 60
ccgggaaaat ttacacaca gngagttacg ggaacncca accgaccg 108

<210> 3401

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3401

ctaggggggg ggggnaaaaa aaagggtcccn acggggggttt naaacaggac ccncctgcc 60
cccagggggt ttaaacgcgn ggggggtttac accgggggga aaaatt 106

<210> 3402

2975

<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
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<220>
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<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (61)
<223> n equals a,t,g, or c.

<220>
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<222> (78)
<223> n equals a,t,g, or c

<400> 3402
acnnggtccg gaattncccg ggtcgaccca cgcgtccgcc cacgcgttcg aantgtttgg 60
ncaggatgag atgatcgngg gggggggggtt attaaaaaag 100

<210> 3403
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)

2976

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3403

gaacagngggg taaaaaggcc acgggggttac agaccatctg cccagngggt aaccgcgggg 60
gtacccggggg aaaatntaca cccgnggggt acgggaacnc ccaacgncc g 111

<210> 3404

<211> 450

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

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<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

2977

<220>
 <221> misc feature
 <222> (415)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (432)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<400> 3404
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 ttctttacaag aaggcccaac ctattttata ggattaagat tttgaacata ggatgatgac 120
 atgatttgac aaatatcaca cttctgtaat ctaaactctt cacttcgttc aaaacctcgt 180
 taaaaattgt atatcctttg tgaaactgtc tttcactgcc ctactctaa gataatttcc 240
 cagttaaaaa aaattcctaa gcaattttgt gtgctgtcca tgctatacta ctaccatcat 300
 atctgtcttg tacttgntct taattntttt atgggcacat tttatgtttt cctgaccata 360
 ttgtaaaattc ttntcctttt cttaaactct tccacctgag atgtncctgg tatanaacca 420
 gatgaacatt angnacttta tgaatacttt 450

<210> 3405
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (481)
 <223> n equals a,t,g, or c

<400> 3405
 gcctcaagtc cttattgttg aggagtcgat ggtgggggtca tgtggggacca tgtcagctgt 60
 gtgcagtgtt aagtgtgggt gctgcagagc ctgttttact tatggtaaag taaagttcat 120
 gccatggact aaacctgggt ttctggaact gctgcttgct tctattaaaa ttaccagcag 180
 attgcatgtc tggatctgca taccagcagg tggaaatcagt tgctttgctg actaatttac 240
 aagtgggaaga aatatctgtc tttgcaactg caacctgtta gagtctcctt gtaactaggg 300
 ccattagtca ggaaaccgta tgatgaattc tagtacatac ttctatgtat acacattgtc 360
 aagactaaat tttaaaaact acaaggaaag tagttcagaa tcttacacaa caactgatca 420
 taattttcct tataaccacta tatttttggg attaccagtg tnaccaaagg attctttaac 480
 naat 484

2978

<210> 3406
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (455)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (472)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (480)
 <223> n equals a,t,g, or c

<400> 3406
 gcacccgggc ccagagtgac agcagccaga cgctgggctc ctccatggac tgcagcactg 60
 cccgcgagga gccgtcctct gagccccggc cttctccctt gccgtgccca tcccagcagc 120
 aggtggagga ggccacagtc caggacctgc tgtctccctt gtcggaggac ccctgccctt 180
 ccagaaggc cttggacca gccccctcg cccggcccag ccagcgggc tcggcccaaa 240
 ccagccccga gctggaacac agggtaagtc tggtcaacca gaagaaccag gagggttca 300
 ctgtctttca gatcaggcct gtcattccact tccagcccac tgtgcccatt ctggaggaca 360
 agttcagatc tttggaatcc aaagagcaaa agctgcacag ggtccctgag gcctaaacct 420
 gcatgggctg ggtgaaatga agggagacag ncatntnaaa actctctggg ancttgaagn 480
 ttgcaa 486

<210> 3407
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (46)
 <223> n equals a,t,g, or c

2979

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3407
gatttttctgt atgggtatatt agaaattctt tatatgaaaa ataatngctg gttcaaaata 60
gaccatttta acaaagngac tatatttctt tttagcaaaa tgctattttt ctatgatgta 120
aacaattggt aggcggcaga tttttaagga agtattattt tatttaagag nctgtatccc 180
tttgtgtgan aggaacccaa agagggttca cttttgctnt aaagctctgt nccttaccba 240
ctgacaactc tgntacnttt attttatccg agaaaatgtc aa 282

<210> 3408
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

2980

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3408
gggagaaatc ttgtcaggga aatcagggtat tangtggtat ctaatcataa gggtttttgtg 60
gnccttttaa at ggattgacta cctnnatgnc 90

<210> 3409
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>

2981

<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 3409
antgctgaga cagctaaaga tgttggctng gaagcaacca ttcattttaa gagtgcgtac 60
cancettact actcngaggg agttinggcag tggaataaaa ntc 103

<210> 3410
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 3410
gccnaatgcg cattagttcg atctcaggag tgagggcatg ggtgctaagg tccatgtcct 60
aaaggagaag aatccagacc atcagctaag gtcccaaat aaacactaag ttgaactaac 120

2982

```
gaagtcagat tgctaagaca gctaggatgt tggcttggaa gcagccattc atttaaagag 180
tgcgtaacag ctccactagtc gaggagtttg gcgtggataa taatcgggca tcaagtgttt 240
taccgaagct atgggatacg taagtatcgg taggggagca ttccactctg cgttgaaggc 300
gaacgtgagc ttctactggag cgtgtggaaa agcaaagtga ngataaagta acgataaagg 360
gggtgagaaa cccctcgcgc ncaagactaa ngtttcctga tcaacgctaa tcngatcaag 420
ggtagtccg ggtnccctaa                                     439
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<210> 3411

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

2983

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
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<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 3411
gggccactcc aataggtgct gagtgtacag agtggaataa gacagagacc tgccctcaag 60
agcaaagtag atcatgcata gagtgtgatg tatgtgtaat aaatatgttt cacacaaaca 120
aggcctgtca gctaaagaag tttgaacatt tgggttacta tttcttgtgg ttataactta 180
atgaaaacaa tgcagtacag gacatatatt ttttaaaata agtctgattt aattgggcac 240

2984

```
tattttattta caaatgtttt gctcaataga ttgctcaaat caagggtttct ttttaanaaa 300
tcaancatgg tnagtctggn ttanaaaatn acccgaanga aaanttnnaa attggncact 360
tgaaaatcctt aggggaaaaaa ttaattcnaa taaatttncc attttacctt taagaacttt 420
aaatggngaa cntttaaaaa agcnattttt ttttaaacct tcctaaagtt tt 472
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<210> 3412

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<400> 3412

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gcggacgcgt gggtttttaa aaagctaggc ttgattgttt attctgcatg gtccacttct 60
gccttccttc ctcttctatt acccttttct tattctagac tgttttttaa ctcagttatg 120
cttgctttca ccaaagcctt aacctttcct gtgattagaa aaagatgctt atgtttccat 180
tacttttcct acaagaaaac gcattctcaa attcatattc actatacagt gtgtggcata 240
acaccaagct taaatgggtca ctcagtggac ttcacaataa tggccacttt atgcttntgg 300
atgcaaaacg ntngnanagt 320
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<210> 3413

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (262)

2985

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 3413

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gtgtctgttc tagtctgggt ttctattaca ttcttgagtc cttgtaagaa ggtgtcaatt 60
ctgttggctg tttaacaaca caggttggtt ggtcttaatt gacaacctac aatatctata 120
ctccagggtt gtgccagaga taatgaactt gaattttctg cttcccagtt cttgtaattg 180
gattgtatga aatattcttt tttttgtgat ttaccaaagt aaaatttttt ttttagaagt 240
ttagaagcat gtacaagttt anaagaattt tacaannact ntttntaa 288
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<210> 3414

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2986

<222> (54)

<223> n equals a,t,g, or c

<400> 3414

gggcttttgct catgagagat gtcaggcttc ctggngggcat ngngggctttg agcnctgat 59

<210> 3415

<211> 138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<400> 3415

gctagagaac aagtgtgtgc ctgcccagtc agtgggtgcc cctcagcctt ggccacagga 60
cagatgtgag gccatgaact gatggcatgg gagcacgggg ctgggggtggc ccagccgtcc 120
cganaacact nanntncc 138

<210> 3416

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

2987

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
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<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3416
gcannnggtcg gtagtttgag accagcttga ctggggcatgg nggggggaccc tttatntcct 60
gan 63

<210> 3417
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2988

<222> (52)

<223> n equals a,t,g, or c

<400> 3417

gctcctcctc cagcaggagg tgggtggtgta nttgatggtg annctnacat cngcgagaga 60
gtt 63

<210> 3418

<211> 125

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 3418

gcgtcactag acgacacggc tgtcttcttt cctggagaat ttctcaagga ctgctggctg 60
gaaacttaac ggntaatgng gatctgacng tagnttgcca aattaagaaa acgtttntac 120
cctgt 125

<210> 3419

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

2989

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

2990

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<400> 3419

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taatgtaaaa ttagatcacg agttcctttg tagctaagaa aatttggtac actngattan 60
agctatatatt aaataataac ctgtgtgcag gaatggatat tatgcctcat tgctaagtta 120
tgtgaaaana ttgtagaaac tctttcaggc ttgattttgt agtttttttt ggctgctttc 180
cnatataatg ancacttgtn anatggccaa ctggagaatt tctcatggat aaaaatacta 240
taaaacccaaa atattgcttc ttgtatatca tttaaataca gatagtgcc aacattgaag 300
ggactaaaaan gtaanatttg gcttcatttt caaaataatt ttatttgnta ttgncacagt 360
agcaatagta aatgaagca nat 383
```

<210> 3420

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2991

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<222> (213)
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<222> (225)
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<220>
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<220>
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<222> (283)

2992

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<220>

<221> misc feature

<222> (308)

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<220>

<221> misc feature

<222> (332)

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<220>

<221> misc feature

<222> (346)

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<222> (381)

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<220>

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<222> (383)

<223> n equals a,t,g, or c

<400> 3420

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cttttctcct gcttttctgg aagagaanag catgtgttct agtgctnacn gcgcggcctt 120
cacgtccgct tctccccaag tggtaggcagt acctggccat aggaaggngg attntancag 180
cctgcacntt taaaattgan gctgatgtct tanctcgatc ttgnttatn gctgcttntt 240
ctangcttca aagtgtgctg aattctatga aaattacaat gancagtcta acctttgtaa 300
cactttanta cttactggca catttcactg anaccatttg aaacantggt accttctgaa 360
agtcatttta aatgtatttg nanaata                                     387
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<210> 3421

<211> 341

<212> DNA

<213> Homo sapiens

<220>

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<222> (89)

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<220>

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<222> (266)

<223> n equals a,t,g, or c

2993

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<222> (269)
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<222> (299)
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<220>
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<222> (313)
<223> n equals a,t,g, or c

<220>
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<222> (340)
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<400> 3421
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agcgccagcg tgtgcgccct ggtggcggng gtggtgctgg ctgagtacat attcaccttg 120
aagaggaaga cggggcgga gaccaagatc atcgagatga agattggata accaagaaat 180
gactaatcaa gagtctgccg tacatgtgaa aatgatgcc a gaattccaga aaagttcagt 240
tcgaatcaag aaccctacaa gagtanaana aattatctgt ggtcttatca aaggagganc 300
tgccaaactt canataataa cggactttga tatgacactn a 341

<210> 3422
<211> 123
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (111)
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<220>
<221> misc feature
<222> (116)

2994

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 3422

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gtgtgaggct gccgagcgga cagcgactcc cggggaagcc cgcgctccgg gagcgggagc 60
aggagcagga gcagcgccgt cccacgccag aggcgancga cgggcgccgn nagagnngag 120
agc                                     123
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<210> 3423

<211> 459

<212> DNA

<213> Homo sapiens

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<220>

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<222> (17)

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<220>

<221> misc feature

<222> (85)

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<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

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<220>

<221> misc feature

<222> (388)

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<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

2995

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<222> (420)
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<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
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<222> (459)
<223> n equals a,t,g, or c

<400> 3423
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tggagctaga aggaaaaagca tgaantctca tgTTTTgctga ctataaaaaat aaatcatagt 120
aataatatta ttgaacattc tacttttaaaa attattaata aaaccataaa tgaaacactt 180
gagcacactt taaaaagtac ataaacccat gagtccatat gtgtaattnt atgttgnctg 240
ttttattatc caggatttca tactcagatg agcatttagca tcaggaaaagc ctgaaatgcc 300
ttaattgtga actgatacgc aggaaaatga aatatgtaag cacattggtg accttgggtc 360
ttacagacat catgatcagc cttcagcnat acngaacaaa tgagaaatta gaagcaattn 420
aagaaccgtg tgatggtgtg aaaccctt ttgaccgmn 459

<210> 3424
<211> 100
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)
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<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
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<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

2996

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<400> 3424

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gggacctggt ggtgctgctg ttgaaaccg ccctgctatc ttcttgctgg ncttaaccct 60
gaccacccca ttgnggaaac ctgnggnana aggctgaagc 100
```

<210> 3425

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 3425

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gcccacgcgt ccgagttaat agaagaacat gaacattttt gttatgtatt gaaatccaag 60
agatccgttc cgtttatctt aacacacaaa gtgtatactg tcacatataa attatgcctt 120
acaggtaggg agagtagaca cagttgacac agcgtttttg atgctcagtc actgtgacca 180
aaaactcttc tattcgtgtg ttgccttcat agagggcgat ctttanaaat ttgagaaatt 240
cnaaatttga gaaattccta catttgnatt ganattgcta ctatttaaatt gacccn 296
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<210> 3426

<211> 82

<212> DNA

<213> Homo sapiens

2997

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (44)
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<220>
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<220>
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<222> (56)
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<400> 3426
gctcatcaga gaagattgtc aaaangngaa gctgtgggat gaannngttt cacatnttgt 60
ggaaggacca aattttctga aa 82

<210> 3427
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
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<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
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<220>
<221> misc feature

2998

<222> (125)
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<220>
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<222> (138)
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<220>
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<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
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<400> 3427
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tgttttatga tctattttga gtatggtgct tatgatcttg gaactaacgc ctattntcta 120
tatgnagatt attctatnat ataccattca gtctnatnga attaaatgat a 171

<210> 3428
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
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<222> (176)

2999

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<400> 3428

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gatcgcgact atgggagctc cggggggaaa gatcaaccgg ccccgaaacgg tgactgtgtg 60
ggggccgcga ctttgtttcc tcaagcggtc ctgagccctt ttatctcgca cgagatggga 120
tcagagctga agaagaagct gttcaaacgc cggcggntgt tgaatcnnga gcnagn 176
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<210> 3429

<211> 278

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

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<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

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<400> 3429

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cccagactca gtcagacatg ttcactaatg actcaagtga gccttcggta ctccctgggtgc 120
ccgcccggcc agaccgtcag cttgataatt actaaagcaa aggcctgggt gggagaaacag 180
gtttctagtt tttacccaag tcaagctgca catctattat ttaaaaattc aaagtcttan 240
aaccnaaaat ttgncatga accattaang aatttana 278
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<210> 3430

<211> 53

<212> DNA

<213> Homo sapiens

<220>

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3000

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<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

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<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 3430

gganaaatctt tacagaagag aaactgtnaa gcaggggtta tcanggnaaa tnt 53

<210> 3431

<211> 385

<212> DNA

<213> Homo sapiens

<220>

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<222> (184)

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<220>

<221> misc feature

<222> (322)

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<220>

<221> misc feature

<222> (330)

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<220>

<221> misc feature

<222> (362)

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3001

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<222> (372)
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<222> (379)
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<400> 3431
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ctctgacaga catggcctct gaggagtgtg gcaccaaaca cggacccaaa agcaccctc 120
agaaaaggaa agggatgaag gggtcatttg cctgttttac acatttatcc agatcaggac 180
ctgnaaggga agacctcctt cactgttgct gagactgcga gctcttgaa gacgggtgact 240
gtctttttgt ctctctctct cccagaact cagcagagta acccatgact tgtttgactg 300
aacagagtgc ccatgggttc antgctctgn tctagtctcc acctgccagt ttccttctga 360
cncgtctatg ancaaccnc atatt 385

<210> 3432
<211> 425
<212> DNA
<213> Homo sapiens

<220>
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<222> (34)
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<220>
<221> misc feature
<222> (232)
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<220>
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<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3002

<222> (313)
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<220>
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 <222> (337)
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<220>
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 <222> (368)
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<220>
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 <222> (375)
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<220>
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 <222> (412)
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<220>
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 <222> (415)
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<400> 3432
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 aaatcttgtc ttctgattga aaatttgctt cccagatgac atttctcagt ttttcttttt 120
 gtgaattgct taaccaccta agtggtcttt cagttttttg cttacaattt taatgtgtct 180
 cattgtact ggtcctcctt ctaatgtagc tgagcttggt aattctactt tnggaaaatg 240
 tcaantggct ttccctttcc tctaattntc cagcttcacg catcccctgg ccataagata 300
 ctttcagact gtntgatata ttctatcact tgtcagnctt atgtccctgt ggttgactat 360
 ataagcangc tttanggttt gggacttgta tttaggattg atagtaaagg tntcntgaaa 420
 gccta 425

<210> 3433
 <211> 466
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> misc feature
 <222> (232)

3003

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

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<220>

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<222> (350)

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<220>

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<222> (356)

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<220>

<221> misc feature

<222> (357)

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<220>

<221> misc feature

<222> (364)

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<220>

<221> misc feature

<222> (403)

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<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

3004

<220>
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<222> (436)
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<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3433
gaaangaagt tccaggatac ggctatactg acaaactcat cttggcatta attgtgactg 60
aaatactaac gatttttgatt atacttttct gcctcattgt ggtttaggat tgggtgtgtg 120
tgtctcctct ctgaatggca ctcaaagtgt tgctgactcc tactctgcgt gactgggggtg 180
tacagctatg gactgatgca tcccatccca tcacttttca cgagcaaagc angtctcttt 240
tttgacagct tgaagaanaa tctgtangga atccagaang agcattcatg aagatgntac 300
aagccccgaa gaattacaca agcactgagc tgactgttga gccggaggan ccctcnnaca 360
gcantggcat caacttgtca ggctttggga gttgagcagc tanacaccat atgactanag 420
tgatgttatc tgcgcnctaa ntacatttgc ctattttctca ncaatt 466

<210> 3434
<211> 118
<212> DNA
<213> Homo sapiens

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<220>
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<222> (10)
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<220>
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<222> (18)
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<220>
<221> misc feature
<222> (22)
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3005

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
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<222> (110)
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<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3434
atctaancn aggggcgntg tcccccttca caaagccaag ggatctggtn ctacccatcc 60
ccgcagtgtg cactaagggg ccccggcagg ccatgtctgc atttcggtgn ctnnttga 118

<210> 3435
<211> 468
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3006

<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
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<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
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<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
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<400> 3435
aaacngtang tctnaaaaca cagaattgcn acctnccaac aaatcagtc tttgatctac 60
taaggcaaat ctgctttgaa attgttaata ttaggggttaa cctagtaacc agatttgtaa 120
caagacattt attttcttta cacgggtgaaa agtgataaac ctttttacat ttgttgatc 180
aaggggtccat tgtagtttga acaataagta aaagttcaat atttgataag aattttatgt 240
gaaaagtttg cctggttagag attgtggcat tcttaatcct catatTTTTT aataaggctt 300
accactgggt agaagtgtca ttaggatgtt gttgctgaaa gagttgaaat ttaagacaat 360
ccacattgag cccatgagaa aagaattgcc tctgctgagt ttcattgtaag tatcttaaaa 420
catatgaata tccctataaa tttgatatcg nggncagggtc anantaan 468

<210> 3436
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

3007

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

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<400> 3436

gccacgcgt ccgnaatttt taaaaacctg tcaatgggta tnggatggnn atatacaaat 60
angtgtattt 70

<210> 3437

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

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<220>

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<222> (96)

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3008

<220>
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<222> (109)
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<220>
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<222> (140)
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<220>
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<222> (169)
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<220>
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<222> (182)
<223> n equals a,t,g, or c

<220>
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<222> (207)
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<220>
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<222> (210)
<223> n equals a,t,g, or c

<400> 3437
anttgagcac cacgccttcc ccagcttgca gnagnacacc ccaagcgctg cttttcacct 60
gtaccttngt tctattatta ttattattat tgctgntggt gcatcggtna ctgtgggcat 120
ggaatgcctg aggctggcan tctgggttgg tcacaccact ctctgctgng ttgacttact 180
gntgtcttca ttaaagcttt tttacgnngn a 211

<210> 3438
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

3009

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 3438
gcccacgcgt ccgtctagat cgcgagcggc cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataattgtcca atgactgcaa 120
gtcggccttg attttcaactt gcaaaggnta cagctgcatt gtnaggcttc cnagccctgc 180
agagagctcc ntccactggt tagcagtggt ttgtgttttn cattcattt 229

<210> 3439
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

3010

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>

3011

<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 3439
ttggccaggg gtaacccggg gtcccgggna aatttccccg ggggnttcgn accccacgnc 60
gggtcccgcnt gcaagtcttg gattgggcaa cccgggcttc cccatttccc gggcntccag 120
ccctcncaaa tccggacccc cattttcggg cttgcaaagc ctccgggnacc taagctccgg 180
gccctcgggt ctatccgggt tgcatectcc ctccctgttc cggatcttat cttgcgccag 240
cgctactcc aggatcccggt agccagacct caagccatgg ctggtcctt ctcccgtctg 300
tgtccgccgc cgggaactcan gctctgcttt ggccggacggg gtctctaccg tgggtttgtc 360
gacgaactga cgactgcagt aacgacggag gtgatcccca cntganaccc aactcgaaag 420
acacaactga tggcagnact gaccanagct atnacggttg 460

<210> 3440
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3012

<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 3440
gaaacaattg gagagccctn tctggagggc tctcagagta gctntntgnc cattgttctg 60
aattaacttg tgtcccaccc tggacaataa atggacanat aaacccttng aaatacaagn 120
caccaccccg tgaggggatta agagggcanc ctggttnact tagtg 165

<210> 3441
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)

3013

<223> n equals a,t,g, or c

<400> 3441

gcaccaatgg aagcagctgg cttcactgct caggtgntta tgggtgaggn cattnaggcc 60
aaataagcgc cgnctgtgcc nctgta 86

<210> 3442

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 3442

gggaaaagag ctgagagttt atgctgaaat ggatttatag aatatttgta aatctatttt 60
tagtgtttgt tcgttttttt aactgttcat tcctttgtgc agagtgtata tctctgcctg 120
ggcaagagtg tggaggtgcc gaggtgtcct cattctntng cacatttnna cagna 175

<210> 3443

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

3014

<220>
 <221> misc feature
 <222> (41)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (69)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (87)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (91)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (110)
 <223> n equals a,t,g, or c

<400> 3443
 acttgagagc ccctnacaaa gaatccacac tgtccatgtc ngggagcagt ggtgggtcaac 60
 agccctcang gattgaatga ggggtgtnaag nggtatgaac cggatcattn tgctatcca 119

<210> 3444
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 3444
 gtcacttttc tatgggtaat ttcttggttc aaattacatt attatatattt ggctgatgaa 60
 ttaagacgta tctaaatcag acatgtcaga ttagacatat cagatttagc ttttaagaaag 120
 tccaaaactg tccatttctca ggttctgagc aggtcttttg ctgagtttca gggctctgaga 180
 tgtatggcat cacatggcag gtggtacctg agagcccacc tgaggagggg gcttttctgct 240
 ggagaggggag ggagcttcag tgaggaacct gtggggacag ccatctgtca agcattgggtc 300
 tgggctcttg ggctataaaag acacagagaa aggcattgtaa agagagaaga aaaatacagc 360
 ctaggggctt tgctggagga agctggaatg ctgtgggggt ccggacaagg cggcaaccta 420
 acccagatth gcccgaggaa 440

<210> 3445
 <211> 137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

3015

<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 3445
gcggaacgcgt gggccattat ttccccttca aacaaataat agtagtgtga cctttcactt 60
aatcctact cccttaatgt gagagagaca aatgagctg aanaaggaat taantgaaag 120
gtnacactan nattatt 137

<210> 3446
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)

3016

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<400> 3446

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gnngaatccc cccctcata gggcntcent tnagattaaa ccgcaagcat cccaaacatc 60
attcaagnng ggggaaaaaa gggacgtcgt ggtgaaccgc cgcttcgtcg aagnggggtga 120
acaccgcggg tgcncgcggg gaagaatctt ctccccgcgg ggtncgcgag cactccacag 180
nccgctgcnc cgcggtcgta atcttgcat cgccctnt 218
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<210> 3447

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

3017

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3447

tnttggcctt ggccttggac cggccttcct tgggnggttg gaaatgnaaa attggggaaa 60
agnggggtct taattggttg gggtnccccc gaaaattcta gnt 103

<210> 3448

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

3018

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 3448
catcatcngg ngagaaagaa cgtcctcgtg atcaaccgcc tctcgacnag tgatcaccgc 60
cgtgctccnc cgagatagat tctcccncc ggggtgctgca gcaaccacc accggctgct 120
ccgcagtggc cttgggccat cgtggggcct cgtcgccctn gtcgaaactt tctagggaaa 180
gnggcaaatg gggacgccgc gtantatntn gggtcgagac c 221

<210> 3449
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

3019

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3449
tnataganag accctcgctn tcccttaatc aaccagacgc tcgattttcc agaaagatcc 60
agtctcgntn aatgccttag aaaatgcaag taagggttagg nctcttngag 110

<210> 3450
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3020

<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3450
gaagcaattg acttgttctt taaccatcct atgagaaagg aacaaacaat ttggtcaatt 60
actatcctgt caatgcaaat gaaatggcaa aagcaaaaca ataaaaacac tttcagaagt 120
aaaaactaat tttgtatctt cagaaacaga tttttttcaa agtgaaaatt tatttcttgt 180
atcagtaatg tgacttactg cccaatggca acaaatgctg tgaatgagtt tgtccaaatg 240
taatttaaaa tatatatctt gtaatgctaa aaatagggtc tacaaagtaa ttttattatg 300
aaaaatctta aagttgcctc aactcgtaaa gcataacagg tatgtctgtt tcactatata 360
tgcattgtaa ggnctattct gaattcattt gggaagaatg gtgaaataaa tccctaaang 420
cctcttttct atgcattaaa atagaaaaat cctatgggat tacattcatg tnggctttct 480
aaataatgcc aaaagctcat tttattaagn ataatctgcc tanccatgcc ttaaataaac 540
tactttggnt ttanaaaaa 559

<210> 3451
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>

3021

<221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (236)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (271)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (314)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (344)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (349)
 <223> n equals a,t,g, or c

<400> 3451
 gccanntgac aagtcacacc ctccccatta gtatcctggt aggggaaaat agtagcagag 60
 tcattgttac aggtgtacta tggctgtatt tttagagatt aatttgtgta gatttgtgtaa 120
 attcctggtg tctgaccttg gtggtgggag ggggagacta tgtgtcatga tttcaatgat 180
 tgtttaattg taggtcaatg aaataatttg ttatttatat tcagagatgt accatngtta 240
 aagaggcgtc ttgtattttc ttccnatttg naatgtatct tatttatata tgaagtaagt 300
 tctgaaaact gttnatggta ttttagtgca tttgtgagcc aanagaana gatta 355

<210> 3452
 <211> 158
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

3022

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 3452
ngnatnccta gggaaaaccc ctactatag gttaaagctg gtacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgcgtccg nccacncgtc cgggtgtgcct ccgactcgga 120
acggnttccg nggccggggc agngagggcc gggggcgg 158

<210> 3453
<211> 78
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

3023

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3453
gataatntac agccagagag taactcagca attgtgtagt ccagcatttc tacaanntan 60
gtatncacat gtacctta 78

<210> 3454
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3024

<222> (90)

<223> n equals a,t,g, or c

<400> 3454

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gaatttcctt atggagaaaag acaatgtata ctttggcaga gtagnnntaa aaagaatttt 60
tantatttca tacattttcta aattttttaan gga                                     93

```

<210> 3455

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<400> 3455

```

gcttaagtag tgtgttaatg attgaaactg taattgcctt cgggttgtgc tttagtctgt 60
aaatgtaatt ttttaataata cttacattta cagtggcatg tcacaaactt cagcaacttt 120
ccagttgtan agtaagcaag caccttaagt agtgtgttaa tgattgaaac tgtaattgcc 180
ttcgggttgt gcttttagtct gtaaaattct aaaggagagc tgctaaattg ntttcttaat 240
aaacattttt ctcatttgta aaaa                                     264

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<210> 3456

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<400> 3456

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ggtaaaatcc tttgttaaaa ttttaagaaag atctaagttt ctgcctcaga gtacttttca 60
gtcacataaa agggcctcta aagaaagact aatgggtgtga ctgaccaatc cattcaatca 120
aacaatagcg cgtccaagaa acttaagggg atggtcctta tcctgcagcc atttcagcag 180
aatctcaagg tagaggaggg cttatctgaa aaagatttgt gcgtgtggct tttgtttaat 240
gcaaagaacc ccagtgagat tcctaggacc cccacaaagc ttttaagagga atgtatttta 300
aggatcactt actagttttg attaaaaggg gtnaanaaaa gtacaaaatg aaaaagatgc 360

```

3025

ctttggaccc ccaaacttt

379

<210> 3457

<211> 56

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 3457

gcagatataa atcatgtctg aacagacntc ggaggggctc ntacagggga gananc 56

<210> 3458

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<220>

3026

<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3458
gaaaagctta aagaagggttt tactgatcca gatgttggtcc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaagggtgtg cgcgggggtc agtaaaagct taaagaagggt 120
tttcacaggt cactgggctg tggtagagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 3459
<211> 83
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 3459
ggaattnaga tgtnaccgtc ttggccatcc nccttgggaa cgtatatnaa ttcctaanct 60
accttaaatg cataatcaca aaa 83

<210> 3460

3027

<211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (240)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (439)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (443)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (456)
 <223> n equals a,t,g, or c

<400> 3460
 ggcacctcag aaggggaaaa gctaaaccca gagctgtcag tccctctatc ctttctcctg 60
 tccaggggcc cagagagaaa cacacctacc cctggccttg ccagagtggc ttctgaggac 120
 tccctgcca gccagcttt cactgggggg agacgaggag aggcaatggt ggtcttggca 180
 acagaatgct cagcccctcg tggcaggact tgacaagggc aagcttgacc aggaagctgn 240
 catcagggat cttcccctgc cccgcaaagc taggctccag ctgcaggcgg gctcccaccc 300
 tctgtcctg gccttgggca agggcactca gcgcctcgcc tgcccctgcc ttggccaatg 360
 cgaggtcctt ccttatcccc accatggggt ccatggtcta tttattctcg ccagcttac 420
 cctctacaca nacactgtnc tgngtgcaca ctncctcctt 460

<210> 3461
 <211> 67
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

3028

<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3461
ggagcgagcc tctctgggcc cgacgggggt ggcncggggtc tcctcnactc ctgacganng 60
nccaccg 67

<210> 3462
<211> 63
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

3029

<400> 3462

gggtggntga agtgtacgac cttgcggcca gcaanggggg cggtnatnga gggcctggat 60
cgg 63

<210> 3463

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<400> 3463

gaatgaattg actttcataa aaaggtatag aacctgttgn tgggcatnat ggnaagggan 60
n 61

<210> 3464

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3030

<222> (263)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (441)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (461)
 <223> n equals a,t,g, or c

<400> 3464
 gtgcntttat tttcaggggg tacttggcaa taacattctg cagacccacc ttgtgctatt 60
 taggagcata agctggaaac gccctgccag ctgctgcttg tcaatggatc taaacttcta 120
 cttttacagt ctaatgaaga ccagccctt ctctatctgg ggacaatctg tgagtttggt 180
 cagtgtctgc cattttatgt cttatgctca ttatcaacaa ttaacacaaa gaacagatag 240
 gatcttggct gtttctgcct tanggaaaga gcaatttttt atggcaatta gaatataaaa 300
 cttaatatca aaccattcat attaaagtca caggctattc taaaatatgt ctaatataaa 360
 caataaatct ggttattatc attctactca aatcttttct ttgngcttta gaggggtccaa 420
 taagggtacta ttccagaaca nganaatagg aanagctca ng 462

<210> 3465
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 3465
 ggggtggtggc tgcacagtag acgccccctc acggcttccc ccacacgctc ccgccccctc 60
 gctcgcccat cgcgcttccc tcacaggctc tgcagtcctc cccacagac gccttcccc 120
 ttggactctc attccctttt ccacggagcc ccgcgcttcc gtgagcccc tcgaggaacc 180
 tgggtctccgc atccagttac cacctcctgc ctcagaggcc atctgagccc ttcgcacctc 240
 gcccctcagt a 251

<210> 3466

3031

<211> 73
<212> DNA
<213> Homo sapiens

<400> 3466
gcggacgcgt gggttggaca ttgagctctgc tgtgtctgag tgcactcaat aaagattctc 60
ctgctttaaa aaa 73

<210> 3467
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)

3032

<223> n equals a,t,g, or c

<400> 3467

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gccnnaagcc tggaggggtct gaccatcact ttganaacaa ttccagactc ccaccccagc 60
cccaaggctt cgggggaaatg tgggtttgct ggtctctctg tcgncttcnc ccacctntcc 120
tggacctagc angccctcag tcntagct                                     148
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<210> 3468

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 3468

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gctatcanca ttgtttcaaa atagtcattt ttagnactgg ggaaaaatan 50
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<210> 3469

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

3033

<221> misc feature
 <222> (478)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (531)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<400> 3469
 gaaaaaattg tttttttgcg tgctatTTTT gtgacacact tcttatgttt caggcatagt 60
 gccagctggt aacagttata gtgagaaaag ggacagacac aatttttgct cttatagggc 120
 ttatagacag tggatgatgcc acagggaggg catggagagg tgaggatggc atgtgttttc 180
 ttcttacaat ctccatcaga acccccattc gtttctgtgt tcagttgaca tttctcaacc 240
 ttagtaagta ttatgcaatg gaagcaaagg cccccctacc caaacagatt atttccttcc 300
 acctgtgtag aaattctgga ctctaccat ttatagtcaa gttcgggaga tagacattaa 360
 acaaatagtt gatcaaagaa tcacttaatt acagttaaca tcagcagtgc atacaaagta 420
 cagagagcan agganggggg cacagcctga ggccctcaga aggnccccca gaactcanaa 480
 tctgcanaat tcagactcag cccagctgac ttantggtan aaagccccaa naaccaggaa 540
 aagagccttg gggaccctan ncctttgagg aagaaaccaa tgtgtca 587

<210> 3470
 <211> 58
 <212> DNA
 <213> Homo sapiens

3034

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3470
gatgantcgc actgttcggt catcagtggc tgaagggggn ggaagnagtn caccattc 58

<210> 3471
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

3035

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<400> 3471

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aacaggncat attcnggcc tggggcctta catcacntgt ctcggtgtgc ggaagaagag 60
tgccactnac aatatacgna gcccttgact gttcgagacg gttgctgana attgtcgatn 120
tagaggagcg tcaaaaggag tncgta 146
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<210> 3472

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

3036

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3472
gataatagtg cttattgttc aggtcacatt tcaatgaaag aagttttggt ttctntattc 60
cttttccnag aaacttttct acttacaaaa acaatcattt taaactacaa aagccaagaa 120
cttacaaacc aacgccacag acaactttcc tcatcatgac tgctttcaga aatgtaggaa 180
aactgtgaaa ataccatatt gtattttaat caagtatctg ttccattgga tatttttagaa 240
taagtaatta gaattcattt taaaattacc agtcaattta tgtttttatc aagttagaat 300
tttctgtgat ttctgataaa tggtaatat acttggaag gattntactt tttttgaaat 360
taanttcattg antacattgg aangectnat 390

<210> 3473
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3473
gnntaagcag catggaagaa cagcttaaga ccattcantg gttgctncta cccnttcag 59

<210> 3474
<211> 56
<212> DNA

3037

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 3474

gatgacgcgt gggatttttt gtanccacag gnttccaagg acttcanntt attatt 56

<210> 3475

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

3038

<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3475
cntanaanaa aagcaaaagg gtggctttct cttcaggatt ataatattha ngctacgcag 60
tggcaatgga gangaacata gcatgtttgt atgaatggaa naatatnant 110

<210> 3476
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)

3039

<223> n equals a,t,g, or c

<400> 3476

gcagctnctc aggttcagac tgacaggaag atgacgatga cgangagacn acaggantgt 60
tana 64

<210> 3477

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<400> 3477

gggggagtga tcacattttt cacaacagta agttaagaat ttcagttact gacatccctc 60
agtcctgatt aaacctattt gatttcacca gtttttaacc catcatatgt ttgggtttct 120
tctccccagt ccctgactcc acctcttctg ccacaaacgt cagcatggtg gtatcagccg 180
gcccttggtc cagcgagaag gcagagatga acattctaga aatcaacgag aaattgcgcc 240
cccagttggc agagaacaaa cagnagttca naaacctnaa agagagatgn tttctaactn 300
aactgg 306

<210> 3478

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

3040

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3478
gttttaaagtg gactnatcttc anatacaaaag cttagangag ataccatgag tttatnatn 59

<210> 3479
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

3041

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3479
ggcaccatct tctccattt gactttttaaa tgctttacaa cttcaggcta aagggagggg 60
atnttgtgat gngttctcct cccaacatng cnagcggccg ctctana 107

<210> 3480
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 3480
gcttttcctat gttgttgaaa ctaaaaaatt cacttttagc tgtgatcact ctaggcctca 60
canaattcga gttaatcttc tgtcaagggtt aactaagcat tatantctca tgaaaatatt 120
acatgaggat tataaatcca ttttttggtc ttattctgca cacttgcttc angagaatct 180
gttcnactca nnaata 196

<210> 3481

3042

<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 3481
gggcaattga ttagtaatgt cagtcgtggg tgccagacca gggagtggct gtaggtatgt 60
gtaggggaag tcacacatgc aaaaagcacc tgggttcttt cctgacctgg ttgggttgct 120
ctgggcaagt catgtccctt ctggccttgg ggtccctntg ttaaattggca nggctganc 180
antggcttct gggtnact 198

<210> 3482
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>

3043

<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3482
ggggggtcctc atataatatg aggcgcagag aatagggtcca ggcaactgtt taacaaaaaac 60
acaggggctgt gctaactcgc gagatgacgt atacagcctg acacctgccc ggtgccggaa 120
ggttaanagg agggttcaga cttcngtcna aggcctgaat tgaagcccn 170

<210> 3483
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3483
gtctanatcg cgagcggncg ctctagagga tccangctta cgtacaangt gcatgcgacc 60

3044

ancata

66

<210> 3484

<211> 137

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 3484

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gccacgcgt ccgattagag aaggataagt aggaaaacat attcaagact actgtagctg 60
atcaatattc aaattgatgt gttttaaaat ttattttaag gttttacaac cnnaacataa 120
ncatgctttg acncgcn                                     137
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<210> 3485

<211> 68

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

3045

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3485
gcggaataaaa tggttttctca ttcaaacagc atcccaggnc gagcatctan nccangattn 60
tataatcc 68

<210> 3486
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 3486

3046

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gcagcgtcag agagaaagaa ctgactgaaa cgtttgagat atataggaaa catcaaaagg 60
tgataaaatt tccctagaat ctccactatc tcaaagatga agaaagttct cctcctgata 120
acagccatct tggcagtggc tgttggtttc ccagtctctc aagaccagna acgagaaaaa 180
agaagtatca ntgacagcna tgaattanct tcanggtttt ttgtgttc                228
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<210> 3487

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

3047

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 3487

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gaacctnttg gaccccttng aataccgnaa ntatatggaa agctggtacg cctgcaggta 60
ccgggtccgga attaccgggt cgacccangc gtccgagcgg atgnagcgct ntngtcttct 120
gaggctctng gtgccctgtc cttttc 146
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<210> 3488

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 3488

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gctgactttt ctgacttggt tcttgaggga cttggaaaag gggaagggtat tattcacaca 60
gatgtgtgta tgaagcctaa ataacatcca actttttttc caaaaacata gtaagagttt 120
aaccataaat agaagagtaa tattccttta aatttccttac aggcatgtaa aattttatgt 180
gtttatagag agatgctaac tgtcagcata tagtatttat attggggcaa gaagggttaa 240
atcaaattctt ttaatttaag taagcatagt tccttttaaag atcaagtagt atttatactc 300
tgaaaagagt accaagctta gttcagttat ttattcatcc attttttttc tattgggttct 360
cctctggggg gaaatggngt tttgn 385
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<210> 3489

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

3048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

3049

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3489
ggnaccantt gctgtgtatn ctngctcngg ttctctcnct cactncttat tctnaacgac 60
ggattatgtg acagtgaccg aagataagat ggatttgntn attatctcac acgntgtaaa 120
tgttgancct ttttgatctg ttgttngca aaggccctg 159

<210> 3490
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

3050

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 3490
gggcatggta tcaaattatg taaagaaaaa cttggtaaac aagaaattgt caaatttata 60
atcatagcta cgtatttgaa cacagcgctt agaaattgtc agataaagag ttcaaaatag 120
aggaaacatt ttgaattata tagtgcacaa attttaatag ctatagaaca ttgtttttca 180
aatgccatga aaaaatgacc atgaagcaaa aaccacaata tttttttgtt tgntgatagg 240
taaggaattc angggtccat cctgtcatca caatgcaatg aaacaaaaaa ttagcaagtg 300
gatagcaata aatcaatttt taaaaatcag acaaaagaaa acactgtcct tgtaatgctt 360
gcatttaaaa ggaaataaaa acttatgaaa gagaatcttt attttattta agcagttcta 420
gattatacaa aatgttgaaa catctcaatt tggncctctga ngctagcata atccttattc 480
canaaaattg ntnatca 497

<210> 3491
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 3491
gttgacgcgt tggttnnacc tcaagaccat gcggtangtg aggnngctct gcgtgcgc 58

<210> 3492
<211> 358

3051

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (189)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (228)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (284)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (316)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (356)
 <223> n equals a,t,g, or c

<400> 3492
 gcagatcaca gggtgagggc cacctccaca cccaccccct ctggagaagg cctggaagag 60
 ctgagacctt gctttgagac tcctcagcac ccctccagtt ttgcctgaga aggggcagat 120
 gttcccgagg cagaagacgt ctccccttct ctgcctcacc tggtcgcca tccatgctct 180
 ctttctttnc tctgtctact ccttatccct tggtttagag gaaccanga tgtggccttt 240
 agcaaaactg gacaatgtcc aaaccactc atgactgcat gacngagccg agccatgtgt 300
 ctttacacct cgctgntgca catctcangg aactgaccct cangcacacc ttgcanaa 358

<210> 3493
 <211> 319
 <212> DNA
 <213> Homo sapiens

3052

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 3493
gaaaaaaaaca gctctcttta aaacagcttt ttcagccatt ttacattact tattaactag 60
tctaaggaat gttattctgt gagttttaat tacaaaatac atttgtttta atattgtctt 120
ttgaattaac attctgtctt ttagaaatac ttcgtgtagg tcacagtttg tgaaggaaat 180
cctaatatgg ttngnggttg aatgttagtg actttaattc attgtataat gggtattttc 240
catttaatat atcttgaagn agttgttcan agaataggtg ttcataanca tgggacttgc 300
attgaagngg nttgaataa 319

<210> 3494
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)

3053

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 3494

gccatcaccg aatnngggag ctnttcaaaa tgaagtttaa tccctttgng actttccgac 60
ccgaagcaag gnatcg 76

<210> 3495

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

3054

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 3495
ttgtttgtgg ngnaaggctg ggtaagccca agaagactcc ngtggggggg ggccgcttgc 60
ttttgggccg ngangggagc cccaagcccg ggaagcaagc cctcttttcn gaaagngccc 120
ggccgggacc ttcttcaaaag ggcggnngga aaacnggaaa gggaaaaggc ccccg 175

<210> 3496
<211> 549
<212> DNA
<213> Homo sapiens

<220>
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<222> (12)
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<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>

3055

<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3056

<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
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<220>
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<222> (327)
<223> n equals a,t,g, or c

<220>
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<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)

3057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 3496

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gggatttctg cnaagcctgc cggtagcggg ccggaattcc cgggtcgacc cacgcgtccg 60
cncagcttct gtnaccatgg atttaagacc atgttggatc caaaagttgg cctgaaaccc 120
tgaagctgat gcttcacagc tgggctgtaa gtcagacttg aaccagctg atatgcaagg 180
tcatggcgtg cccaggggtg tgacagttga acaaagtgtg tagtacgtnn caagcngtgg 240
nantggaaan ntgnatacca aanggacttt gnaggaccaa aggtttttaa aggcaattgn 300
tatnacctcc aactgacta gggtagnggg gtgcattagg tttcaaattg ggnactttta 360
acactttang tgctgactg ctgttctttt actgacttga ttcaagtcac tcgnagcttt 420
attggctctga accaagntcc ttgttcccag gttacagacc tgcctatcgt tccantaatc 480
ctgtttaact tgaatgaaag ggaatttgcc ttaaatggaa aagttcctng gttttaaaaa 540
ngacttttn                                     549
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<210> 3497

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3058

<222> (397)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (406)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (439)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (467)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (492)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (518)
 <223> n equals a,t,g, or c

<400> 3497
 ncagtgtaac ttacagtttc cttnnaaaaaa naaaaaagta aacctggcag ctatagaata 60
 cactatgtgc atttataata gctattttat atattgnagt atcaacattt tttaaattaaa 120
 tgtttttacat tcacaagtgg tggggaggtct tgtcattaag gtgtgtgttaa tttagagtcc 180
 agtttggtttt cttctgactg cacttgttct catagtagta aaatgctatg cgcatttata 240
 ccttgcataa gtcctcattc taccacatgt taaccctcta gctgataatg caaacactaa 300
 ctgggggatt ttatttataa gggctctaga aaaaaccgag ttattcacac cagcatcatc 360
 ttaactaaca ttcttgaact aggtagtgc gcttttnttg tgttgngtgg ttggtctcat 420
 aactaggttg agttttctnc tctgctgagg aaacagtacc gnagctnctt tcttgtggca 480
 ttcgcattat anaaacttgg tgtgggggag ggagcccnaa a 521

<210> 3498
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

3059

<222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (414)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (554)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (569)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (572)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (576)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<400> 3498
 ggtnatgatk accgagaccg cggcgggagcc tacgggtccct gcagtgcctg ctgctgagga 60
 ggccaccgaa gctcgggggac gcgaggagcc ggcgtggccc tggaaagacg ccccgatccg 120
 gacgctggtg cagcgcaccc accagctgca ggctgagcgc gcgcagggct tccgccgact 180
 ggaggaaggc caccgccagt acctgcgcag cggccctgac tacgacttcg cgcgctaccg 240
 gagcacagtg cacgggggtga cccaggcctt cgccgccgcc tcgcgggagg tgctggcggt 300
 ggaagcagag ctgggcgggc ctgcgaggca gccgctgctc gccggccacg tgcgcagctg 360
 caggatctgg agcagacgcg gctgggcacg gtggccctgc tgcagttgat ggangacgcc 420
 agagctggcg gggcaaggag gacgctgtac ggatgcagca agctgaaaat gaaggtatt 480
 taaaccatgg aagcgatcaa cgaggggtctc caggacctta aggtttgatg cggaatctgc 540
 cgagtgatgg cggnttccca aggattgcnc cnaggmnaga tgggaaaacg gggc 594

<210> 3499
 <211> 88
 <212> DNA
 <213> Homo sapiens

<220>

3060

<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3499
gattggattt tcggcgggtg atcccagggg gnetgagtg cggtgaccga ggcggngagc 60
ngnngcccgg cgccgaccct gagtgcag 88

<210> 3500
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)

3061

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 3500

gnnacgcgct ncgagtttgg taagttttaa gaaatatcat ccaacaaagg nnc 53

<210> 3501

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

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<220>

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<222> (74)

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<220>

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<222> (82)

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<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 3501

aaagagctgc actgtgcat agtaccgagt acctgatatg aaagcctttg ccttgctaata 60
tcganttggg nttngctctc gnacngggat ccatttgcgt gtt 103

<210> 3502

<211> 161

<212> DNA

<213> Homo sapiens

<400> 3502

gcggacgcgt ggggccctgc agagataagg cagctgggcc tgagctagac tcagtgtcct 60

3062

cctggggtag gacagggaca caggggtgtca tgcctcacc tcccagcagg gctgggtgctt 120
 caacatctca atttgtacaa atacatcccc ctttcaaaaa a 161

<210> 3503

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<220>

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<222> (608)

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<220>

<221> misc feature

<222> (623)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<400> 3503

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 acagtgttca gtgagcagaa tatgaccatc ctagcagcag ggcttctgtg acttcctcag 120
 aagataaaac atgctccagt actttacagc ctgttatctt gtcattcattg accccgtttc 180
 tctcctcact gctattcttt aaccaaaagga aagagctcct gagagagact tgaaagtaat 240
 gggttggaagg gtgggttcag tgtaatggat acattctttt tctcagaggc caatcccagg 300
 cattgtgaaa gaaatggctt ttcttatgaa gacttcaaat tttcccaact cttttcacag 360
 gtgttgggga tgccttttgc actgacctg aactgccaga ttgacaaaac cagccagacc 420
 atagggctat gatctgcagt agttctgtgg tgaagagact tgtttcatct ccggaaaatgc 480
 aaaaccattt atagcatgaa gccctacatg atcactgcag gatgatcctc ctccatcctt 540
 tnccttttta ggtccctgt cttatacaac cagagaagtn ggtgttggcc aggcacatnc 600
 ccatcttnag ccagcaagac aantctttca cttcacttga ccggnagc 648

3063

<210> 3504
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>
<221> misc feature
<222> (7)
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<220>
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<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
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<222> (41)
<223> n equals a,t,g, or c

<400> 3504
gccccanncggt ccggatgggtg atgggtgggtgg tgatcacntn nctgctgagc cactacaa 58

<210> 3505
<211> 218
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (148)

3064

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<220>

<221> misc feature

<222> (178)

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<222> (186)

<223> n equals a,t,g, or c

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<222> (198)

<223> n equals a,t,g, or c

<400> 3505

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ctcccgctccc ccaactgact gaccctaggc aagcccactg ccccncatc ccctcacccc 120
gggtaagccc actgccnctt ccaccgcnc a ctgaccccg gcaagccgag ttttcctnat 180
ggaccncagg caaggacnct ggcacaacat ggacccca 218
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<210> 3506

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (31)

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<220>

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<222> (98)

3065

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<220>

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<222> (104)

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<222> (109)

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<220>

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<222> (110)

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<220>

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<222> (164)

<223> n equals a,t,g, or c

<400> 3506

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tccttttcac cctcccaaca ttgctttgag gctaaganaa acantttggn taaaccagac 120
atttgtccaa ggagtaaata ctgattcatg cttgctatac tgcnt 165
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<210> 3507

<211> 97

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (43)

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<220>

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<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

3066

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 3507

gacctgtatc cttggccctt tttttttttt ttttttcctg gnngccttcn acattgttcc 60
ttttncctat atttccttcc ctatnagaat caaaggc 97

<210> 3508

<211> 612

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (2)

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

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<222> (18)

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<220>

<221> misc feature

<222> (27)

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<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<220>

3067

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<220>
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 <222> (530)
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<220>
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 <222> (572)
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<220>
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 <222> (574)
 <223> n equals a,t,g, or c

<220>
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 <222> (605)
 <223> n equals a,t,g, or c

<220>
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 <222> (606)
 <223> n equals a,t,g, or c

<400> 3508
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 tccggaattc ccgggtcgac ccacgcgtcc ggaaaaaggg ctactgtatc tttaaaaaca 120
 ggaagttaa cccaagctgt gaaaagccag tgggtgctctg tgcattggtgc tgtgcggagc 180
 ctgggtgctgt agtgttgtgc tgggactttc ttgactcttg ggcagggtcac atcctacagg 240
 agctcagcag accagtgtaa caacagttaa tgcattctatc ctgatccctg aattttccaca 300
 ttggacaatg gtgcatgcct cacacctgag cctgcttcct ccatgctgtc attgggttcg 360
 ggggcctaca cttacaatt ttaaagtga agagtcaaac attttcaaca ngttgctata 420
 attttctctc ctaattgggtg ccatttctcc atttgatcat tntctttttt tctttctccc 480
 tcttcatcac tttaatatan ctgnctgaaa ntctggtgca ttcatcgggn tctttgaaat 540
 gagaatgtgg gcttaatttt tgggacgttg cnanaaaagt tggcctgatg ggaacacact 600
 tatannacca ag 612

3068

<210> 3509
<211> 391
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
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<220>
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<222> (354)
<223> n equals a,t,g, or c

<220>
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<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

3069

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3509
naaacctntnt gganaccctn actatagggg aagctgggtac gcctgcaggt accggtccgg 60
aattccccggg tgggtgctctg tctggaggcg aacctggggc ccagctcggg ggaaccattt 120
tcagctgtgtg accccagtaa gtgcttggcc ttccagatca tagtttctct catgtgcgta 180
agaaggggtg ggtcaggatg gaggcggntt ccaaacacca gtcttccatg ccaacatctg 240
ccccctagac ttggcaaaaa ccagaacaat aaggacaatg ccataagttg ttcatgaaac 300
taaatgcatac cagtctaata gattatcctt tattctgaga tgacgccttc tttntttgan 360
attnaaaagc ccttttggaa aatnaaanga t 391

<210> 3510
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (400)
<223> n equals a,t,g, or c

<220>
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<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3070

<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
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<220>
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<222> (543)
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<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
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<222> (554)
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<400> 3510
ggttttat tttt actgtttttat agggaaacttg ggaagtaagc aggacttncc aggcctcttg 60
tcttgtgtta tggggaacca caggacccat caggcatttt tagtttcatt taccaggcag 120
tttattgatt gcaacactta gcatacatga ttcacaaagt tctcattctt gataattttc 180
tgcccaaagt tagcttcctg agaagggcan gagtgatcca tcacgtggng ggtgttcatg 240
tttctgggtg gctccagccc ctcccttgga atcctgtgct ttaacagctg gaatccttca 300
gtgtgttttg gtggctcact gcttatcaaa tattcaaggc ctacaacat tgcagccttt 360
ctcatacctc cactcttgaa gcttctgctt aggctaactn ttgtctcttc cctgccttta 420
attgaaactc tggaattctc tgggcctttg nttttacctt tttcctgttc aaagtcttgt 480
aattattggg atggaaaagt gacaaactct gatcatttnt aagaacactt gtaaaatngg 540
cagcccccct ccna 555

<210> 3511
<211> 576
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>

3071

<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
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<220>
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<222> (354)
<223> n equals a,t,g, or c

<220>
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<222> (382)
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<220>
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<222> (383)
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<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
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<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
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<220>
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<222> (462)
<223> n equals a,t,g, or c

<220>
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<222> (499)
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<220>
<221> misc feature

3072

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (559)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<400> 3511

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cattttaaaaa aatgtagtta tagacttgat ccatccacca ccctcagatg cagatagaaa 120
atTTTTtgaga aaattccagg gatccaaaga caacctaaag ctaatccttg gattccttca 180
tattttcacag tacagaagat aagtcccat tcaaaaagata atacaggaaa tgataaaaatt 240
tatgtctttg agagaatagt tatgttctta gcatcaactt tgataaaagg tagatgttcc 300
ttatgaacta atncatcttt catttgggtt ggttctttgc tnggtncaga ggtnttcata 360
tttttggttac agtgatactg gnnattaaag ngcttaataa aatgggttaa tataaattat 420
atccatgant tatataanat agatggtttt attggtatat gntattttaa tttcaagttt 480
atgctgggta ttactacang nttattctga gatggtttca tggcccnaat ttttaattgat 540
attgggatcc aatggtttna ccggantttt ataaag 576
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<210> 3512

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

3073

<221> misc feature
 <222> (65)
 <223> n equals a,t,g, or c

<220>
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 <222> (86)
 <223> n equals a,t,g, or c

<400> 3512
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 aagtnacgga aacaactgcg ttttcngccc ataatgaacc aga 103

<210> 3513
 <211> 581
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (542)
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<220>
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 <222> (553)
 <223> n equals a,t,g, or c

<220>
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 <222> (566)
 <223> n equals a,t,g, or c

<220>
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 <222> (568)
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<220>
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 <222> (575)
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 tctgtgggcc ggaaccttaa aggtgagtaa ctctcggtgg ctaatgagaa gctacaaaag 120
 ggtccgcttt gctggtgctc gactgcgcgt ttccgttctt tactgcttct cgcggcgctc 180
 gtccgcccc cgccttctc acgttcaggc cgagcgccgc gtgggcccga gccggaggcg 240
 gcggagccga gggggcgcgg gcggcgccga ggctgcccc gcgaggaatg cgggatcctg 300
 gggttcccc cactgtggctg gtgccaggc agttccgcgg ttgcttagag acgggactgt 360
 ggctgcccc atccccattg cgtctttttt tttttttttt tttacctcca ccgccttcta 420

3074

```
gtctcaccga aggcttgtgg ccattctctgt aaagtttctg gggagggtggg cacggggtaa 480
acgccggagg gttctgtgga gcctatggga ctgactggag gccaaagaac tttgggccgc 540
anatgtacac cancgtcact tttttngnct gttanggcct t 581
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<210> 3514

<211> 191

<212> DNA

<213> Homo sapiens

<220>

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<222> (89)

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<222> (105)

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<222> (129)

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<222> (151)

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<222> (162)

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<400> 3514

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atgaangcct acagaatctc ctgtccctnc agccacanag caacntgatt gtactaaaat 120
tctagaacnt ccatatagta tacatgcttt ncagcactag anaggcgtac aggtaagaga 180
taattagact g 191
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<210> 3515

3075

<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3515
ggaaaaaacac aagntgtatc agactcactg attttcatca gngtnnaccn caagtggggtc 60
ttcctg 66

<210> 3516
<211> 347
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
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<220>
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<222> (16)

3076

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<220>

<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (23)

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<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

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<220>

<221> misc feature

<222> (328)

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<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 3516

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aagacttcan atgannatcn tgnactatcc tttaaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gctgttctaa cagacatata 120
aaggaagtgc tatggatgga agcacagagg aagaagaggt taatagtgtc taagaacctt 180
gaagggatga agatgaaaat tgagatttga aaggtgagaa agncattaag acaaggatga 240
cttaaaggta ttccaaactc ctaagaaata cagggagttt tggatggatgc agaattgattg 300
ncgaaggctg tcaaagtttc nattaacnga aatctcttan tggtaan 347

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<210> 3517

3077

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

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<220>

<221> misc feature

<222> (375)

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<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 3517

ggngatntat nagctagaga ggtnttccgt actacagga aagctggtac gcctgcaggt 60

3078

accgggtccgg aattcccgagg tcgacccacg cgtccgacgc catccagcca ggacatctgc 120
aggtaacact ctgcttcaga tgctgccatg atcagtgtgc agccagaaat aagcattagt 180
gtctgtagggt tcttgaattt ccatttgctt aatcaatctg cctttgggtct aaacagttgg 240
cgagttttat gtgtgggttg ctcaccaagt taccatgct agtctcattt cttcactatg 300
atgtctattc tcttttaaaa ttgcttttac tttctgtgct tttatccac tgttctgcat 360
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<211> 230

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tttttcccc cggggggggt ccggaaaacc cccaaacggc cgtnnccgg nttggggggc 180
cttaacntta accggaaatg ggggccggaa atggaaaagt ttttncgga 230

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cctgtgcgag atttaccgcc tnttncgcct ncctccnacc ggaaaactct gaggacatga 120
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tgtcttttnc gggggccagg aaacagntgt gggccagagg aatggagggg ctgtgggatg 120
aacacgatga cagccganat tcgactctgn ccana 155

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3083

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3084

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<220>

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ntgtntctga tatttttaaaa aatngantta taaagagata aaaataaata atnaatggaa 180
aaacttntgg catgggagag acatttaggg aaagaagtca tttcagcctn ccnnaacaca 240
cacatgcaca cacacataca gnctatatca cacaatggag gtgaggaccn antcaatcta 300
ggctcatgac tggctccatg ggacanatgg gtgggacaag tcatcctgct gcantcaggt 360
agcagagann accnaggaga ctangatgac agagacaaaa taactngaga aaagatacag 420
gagctanggg gagagggtn ggggtttgacn aagctctctc ttcccantaa gggagagttg 480
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3085

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<210> 3523
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3086

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 tcctccttcg tggctcttcta agtcagtggt agttttgaaa tttttggccc tgcataagtt 180
 ctgcatagca tctaattgtca aaatagaacc aactggtaat cacagtatta tttagtgtgg 240
 tttccatgac aacaaaaata catacgaaga aaacttctca gggtactatg ctgaaattcc 300
 aaaatgtctg agtttttgaat agtgatcact ttgttctgggt attgacgcaa ttatattagg 360
 aaaaaagtgt gttgactgtt tttgttttaat tgacttctaa aatgttcaaa ttgtctantt 420
 ctaaaagtgtt actaaatgcc tagtgcagtt aaacatactc ttgnttaaag ngtgtgttgc 480
 taaaattttt tactgncatt acttaaataa tctgngtggc aaaaatgtgt ggtcaagcan 540
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3087

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<210> 3525
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<210> 3526

<211> 137

<212> DNA

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gataaccccg gggggnacnc gggggaaaat gtgacgcacg ggggg 105

<210> 3528
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3090

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50

<210> 3529
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<212> DNA
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<220>
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3094

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<400> 3529

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aggcgaanat agccccacct agggggggccc cacctctcgc tgntggngct cgcgtgtccg 180
taactctttg cacccttta actgtggtaa ggnagaaggt cctcctggg agaccctgng 240
cgnacgcgaa ncaccgtgcc tcagttctcc aatgtaacaa ttggactcgt ccttgatgat 300
caagtcggtt cttggnatta gccctaggc tgtccaantt cgcgcacaag cangaggaac 360
tagcaannng aggctaggat tgggtagggg tatgaggggtg cgttgtnaa cctgtctctt 420
nggcaccct ctncctctct tcttgggccac cccttangca attttgggca attgggtccc 480
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<211> 56

<212> DNA

<213> Homo sapiens

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<400> 3530

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ggtggcngca gtctgggggtc gncgncatcn actgctcntg ggccaggcat ggacaa 56
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<210> 3531

<211> 464

<212> DNA

<213> Homo sapiens

3095

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 catccaggaa accaggcgct gccaggaatt ccagccctgg cccacacctt ccttcagcag 120
 tccgtgttgt ctgggtagtc tgtggccagt gtagccctgt tgcagagtga ggtctccgct 180
 gaaaggagaa ctggcgtggc cgttggttga aaagaatcag gccccagcaa ggttcactgg 240
 aagctaacac tggacgcagc agagtctggg tctgacagga ggtcagcgct accatthttga 300
 gggatgatga catgttttct gcaactctagc actgtgtgga agcgctggct gacagcagcc 360
 tggctgtccg aattccaaag aaatgggctc cttctaaata ttcagggtgct gctgcatact 420
 cgggagcaca cgcttttcctt gcccttgcan gtgggggtgt cctt 464

<210> 3532
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 <212> DNA
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<220>
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<220>
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 ctggctggcc cagagtthac attctaattt gcattgtgtc agaaacatga aatgcttcca 120
 agcatgacaa ctttttaaaga aaaatatgat actctcagat ttttaaggggg aaaactgttc 180
 tctttaaaat atttgtcttt aaacagcaac tacagaagtg gaagtgtctg atatgtaagt 240
 acttccactt gtgtatattht taatgaatat tgatgttaac aagagggggaa aacaaaacac 300
 aggttttttc aatttatgct gctcatccaa agttgccaca gatgatactt ccaagtgata 360
 atthttattta taaactaggc aaaatttggc gtggctcctt tagaccacng atgcccntnc 420
 anaccccatc ttgctctaata gatcaaaaca tgcttgaata act 463

3096

<210> 3533
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (426)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<220>
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 <222> (486)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (489)
 <223> n equals a,t,g, or c

<400> 3533
 ggggcagggc tgagagcttg gcagagactg gaccatggcg tccccgcccc agggctcget 60
 cgtgtccaaa gccaaactcca agctgtgaac actgtaagcg ctcgagtcct cctgggcagt 120
 gcagcaccgc ggcccccgcc cgcaagcctg cttggcgagc cgccttgctg gcagccggcg 180
 cctcctagcc cgccctctct gggctggctt gggtttctcg cttactctac tctcctccgc 240
 tctcgggtcaa ggtcggcggc cttggatgct cgttcgcttc tctttttaaa atgtcttttt 300
 gtccctcccc acctctttcc tgtgatcatt tattcaactcg gtccccgccc gccaacacac 360
 acatttatga acccccactt tttttttcct tctccttttc cttccccctcc tcagggagcc 420
 tcctcnttca gtcagtcctt ttgtcccttg atctggcctt tgttgtcctt aagtccccac 480
 ggnttnntnt tcacaagatg aataaaaattt 510

<210> 3534
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

3097

<400> 3534

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gcatatctga gctgtgtatc attttgtact ccatagaggg gctattgtga agccacagcc 60
aaaatgttga tacaaaagat acgttcta atttattcat tcattgacta tatgagaata 120
gctcagggcc tggtaaaact ctggcaaaaca agagatattg aatgaagtag gggatggcta 180
atgatatttg ggaggttgag accagaatca gtatttggac aataatggag taatactgca 240
ggttgtcttc ctccagtctg tccctaaaag aagagcaatt tagaaaatgg caataccag 300
caatgtgttt aaaatgctga gcaagtcgta aaaagaaata tcttgtccac gttatgctga 360
ctatcagagg tctcctgggtg ttgcactggt actgggagca ctgctaccat ctttaaaaat 420
gtaaatccct gctatttgc tccccctgg ggctcctgtg tnaaaa 466

```

<210> 3535

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 3535

```

ggaagattta aggaagaaaa cttttcgatt tcctttgaaa aatagaacac aaaactggct 60
tgtaaatgtt tttagaatga tgaataagtc attaattaat tcagtgcgt atgttttcta 120
ggatccctct ggctgttggtg ctgagaacag aaggggtcaa gggagtgggg gagtaaaaat 180
ggaagcaggg tgacgcattg agtagtccag acaaaagacg ggtgattttg ctcagggttg 240
tagcaacaga ggtaatgaga agtagttgga ttttggatat attttgaagg aaggacctat 300
aagatttgct gatggcttan aagttaggta tgagttaagt caaaaatgat accacagttt 360
ttggcctgaa caactggaag gacagaatta ccattaactg atatggggaa gaccgtggaa 420
agaacagttt tttggcattn ngataaataa tacacn 456

```

<210> 3536

<211> 447

<212> DNA

<213> Homo sapiens

<220>

3098

<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 3536
gggcctccat aggagtgaca tttgctggtg tcagaagctt ggcaagaggg gaggatgatc 60
agaccctgca tggacagtgc gaattggagc tctctgcaga gtccaggaag agagctctgg 120
atgggagggga agccatgggg tggaaaagat agcttccaat ggaaggcagt gaaaactcgc 180
cataagtga gagaagaag gaggccaagg agaggggggca ggaatggcag ccggcagcca 240
ggcggtcagt ggagcagggtg ctcaggaggc ccacaggaga gcttcgtgga aggagtggac 300
agtgtctgag gcaaggggca aaaggcatct gctggagctg gtgaccccag cttggtgccc 360
cccaaagcca gagtacgagg ctganaggat gcagggtgtcc tcctaggagg tttgagtcac 420
aangcacgag gcagaagcan tggggga 447

<210> 3537
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3099

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)

3100

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<400> 3537

```

ggacctgata agggaagatg aagaataaga aatgcctttg ggacatncag atatgaaggt 60
ggaagaagtg gttggtgctc aaggaagggg tctgagctag aggtagcaat gaggtgtgaa 120
atatntatgg atggaagttt aagttacggg catngtgctg ttacttacag agagagacca 180
nagtgatgag gatgnttaag attgancntc tgaggatcnt tnacattgaa aanncanngt 240
ataanatgat aagncagaaa aaggggcaag antgtaatca gagaggtaga gaataancta 300
gttaagtata tanagnatgc aaaggacagg gagcatttct ggaaatggng atcagggtta 360
aaggctgaca gatggnaa                                     378

```

<210> 3538

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

3101

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 3538
ggaaaaagaa aagatggact agtggtcaga tgctttcctt gattcagaat cagcatgcct 60
cttaataact gaatatacta agatacacia aacagtaatt tagctttttc atattgatac 120
atgaacttag tatattgatct cagcaaattt agtaaaataa tcaggagctt ttgatttgcc 180
acaaaaaatc attcctctaa actttatgaa ttgagaaaac ttgtctttat ttgatgattc 240
cagttttgat gttttgtgtt attggtgaag ttcagaaact cagaaacata gttgattcca 300
tagaaaattc aattcttgaa gagtagaact ttgaagggtc aggatgaata tgtgtgttat 360
gaatatgggt catactttat gcttatgtaa ctgaacatgt anttttactg gggcttccct 420
ttcttcattg caaaaataca acttatcctc antacntaat ttattgacta ctacacnta 479

<210> 3539
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>

3102

<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3539
ccgactactn tagggaaaagc tggtagcct gcaggtaccg gtccggaatt cccnggtcga 60
cccatctgtn cggtaaaaaa ccgtaggtc ctggnattna tnaaatcacc ttgttagaa 120
aatgctgcgc cttttaatgt tg 142

<210> 3540
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 3540
ggcacgagct cgtgccgggg ccatagctgt tactgaagga agtagcctac gtccacgcct 60

3103

```

acaactgaag tctcttgaca aacacctcac cctgcctcc gggatgaaag ggggtaacct 120
agacctgaat gggcttgacc atctcacaac tgctcgcgtg acgaccgcat tcgtggcagg 180
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240
tgcaacaaca actgtgntat caacaatgaa gcaatgatat ctaagaacaa aagagtattt 300
gccaacagtc atcataanat caagtgnntg nataaggcag aacaagctgt cacagaccng 360
tgcgtcanta atatatgggg at 382

```

<210> 3541

<211> 460

<212> DNA

<213> Homo sapiens

<400> 3541

```

ggaactagcc cggttgatga gcatgttgat attaacggcc tggcttggcc aaagcttccg 60
gcccagcacg cttagcatc agctggttat tctgagaaca ttcttttcaa aacactctac 120
aggacaaaaca ggccgagagg ttcttttgtc cacagctggc ctctgaaact gagcagactc 180
tcaaagggtt gagaagaacc ccgaggaggc tatcgtctgc actcagaggc tgaaacgttt 240
gaaaacaggt gcgggagggg gcggggagga tggtcagtga cagcacattc ttcagcaaac 300
atgtgtcatt tgtgctttta ccagagcgga gttttaattc ctaaaatata acagcctggt 360
gcaggggctg gaagaagagg gcgcgtttta tgtgcaactc tgctaagggc ttggttgctg 420
aatgaaaggt ttggttccat ggaggttcag gtacctttcg 460

```

<210> 3542

<211> 125

<212> DNA

<213> Homo sapiens

<400> 3542

```

aatgaaaac accatagttc tgctcagata acccaaattc actaatgttt tactgttcga 60
tataaaataa aatgaaact atgtcatgct gataatgttt accaagttat acttgaaata 120
agtgt 125

```

<210> 3543

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 3543

```

ccacaacat atgatgagag atacagggtt taaacatgga caactcctgt taaaaccttt 60
atcaatgtgt tcatcaactc agtaaccaca gagttctgtc aacagctaaa aagagtttag 120
aaaaagagga agagctttgt ttgtttactc ctttgctgtg tacatccaaa atacaatgg 180
gggagaagat ttgttctagt ttttcccaaa gatactcctt agggaatgca ctcaaaagaa 240
caaaataggt tttctatgac tccacagaaa tagaatctgt agtattattt ttgcttaaat 300
gtgattaggt gtgaacattg ctttggttatt tgtttcctga ttccagattt ggaatanata 360
gcccttgata caggatttgg agaagatttt ggtattaatc aatcatagac ttcaggagat 420
gatttcaata ggtccttttc tggaatttca tttcagtata gaaactgtat gggcagaatt 480

```

3104

tttattatta ttattattat

500

<210> 3544

<211> 358

<212> DNA

<213> Homo sapiens

<400> 3544

```

cttaccaagt ttaaacacaa aatttatcat aacaaaaata ctactaatat aactactgtt 60
tccatgtccc atgatcccct ctcttcctcc ccaccctgaa aaaaatgagt tcctatTTTT 120
tctgggagag ggggggattg attagaaaaa aatgtagtgt gttccattta aaattttggc 180
atatggcatt ttctaactta ggaagccaca atgttcttgg cccatcatga cattgggtag 240
cattaactgt aagttttgtg cttccaaatc actttttggg ttttaagaat ttcttgatac 300
tcttatagcc tgccttcaat tttgatcctt tattctttct atttgtcagg tgcacaag 358

```

<210> 3545

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 3545

```

gtttggcgtg acatacctgg aggactattc ggcagagtac atcattcagc aaggtggctg 60
gggcactgtg tttagtcttg agtcagagga ggaggaatac cctggaatca ctgcagaaga 120
tagcaatgac atttacatcc tgcccagcga caactctgga caagtcagtc ccccagagtc 180
tccaactgtg accacttcct ggcagtctga gagcttacct gtgtcactgt cggctagcca 240
gagtggcac acagaaaagcc tgccagtgtc actaggccct gagtcctggc agcagattgc 300
aatggatcct gaagaaagtga aaagcttaga cagcaacgga gctggagaga agagtgagan 360
caactnctct a 371

```

<210> 3546

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3105

<222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (329)
 <223> n equals a,t,g, or c

<400> 3546

```
ctccnncccc cccacctngn gtaccacaaa gggcacatcc ttgtcacctt tgccccccagc 60
ccccagact ttcagccaca gcttctttct caactgaaga cctggggaag ggggtgctgtc 120
tgtgttcttt cttccacttc tgccctctcc tagccttgag ggtagatggt gtggttcttc 180
agtattggat agtgcctgct ctgcggacaa aggagaagtt taaattgtcc gtagagaagg 240
gcatatgatt ggggcctttg ggaaatggta ccagggtgaga agggggagca tggaggaaaag 300
atgtaatggg tactccttct tttcaaagnc ttatccttta aaggaaaaggc ggtctctgga 360
gaaactg                                     367
```

<210> 3547
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 3547

```
caccttcaaa ctgtcacttc acgcaagact ttaaaactgg ataataatat tgcctcatta 60
tgttaacttt tacggatgtg aaaagaatga tccttaaaag tataatcata attgttatct 120
aataactatt ttaattcagt gtgaacatat gcatattctt atattacaat ttctaaaata 180
ggaggcttga gagatgctat agtccattct ttgaatgttc tgatgaagcc caaaaagagt 240
tagtaaaactg cttaacataa catggggact ttgtgtcaga gcattcagat gaggcttaag 300
atatacttgc cctgcatctt tctaatatag agtgatagat gactttttaa aatgtataaa 360
gcatctaaag gctgcacctg gagtgatact gaagtaatga tttaacttac ataaaagctt 420
cttttttctt atttaaacta ggaaaacctc tg                                     452
```

<210> 3548
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (22)
 <223> n equals a,t,g, or c

3106

<400> 3548

```

ggcagagata ggatacattt gnattctttt ctattttaat aggaactatc atttcccagc 60
atttttaagg atacaatctc ctaattaaat ttaaatgata taatatccta attaaacagt 120
tattataaaa agtatagtgt gctccctaac ttttgacatt tcaaattttt aaaagaaatt 180
taaaacatca ccactagcct gcactaggag cagcctgtaa taacagtttt taaaagcttt 240
ctgaactatt tgacaagatt tcttagtgct gaggccatat gctgtagcct ttaagctatt 300
tcttcctatc agtttcatta tcacctgcct ctgagtctcc aatatcatca gtaagcacat 360
gcagaatcat aattatgcca tgtacaagtt ctttgataac atgtacagtt ttctttcttaa 420
ttctttatca aatgcattga tcgtgg                                     446

```

<210> 3549

<211> 531

<212> DNA

<213> Homo sapiens

<400> 3549

```

ctctgagctg ctgccacctg ctgggctgga gctggagctg gagctgcgaa ttcggagtcc 60
cggttccctg tgccacctgg cgagctcagc aaactaaaag tctctttgtc ttcacgtttt 120
ccggcactga tgtgagcaca tcataagcac aagacctgga cacctttaca atcagagggc 180
ctaggactgg agctctggat ctgaccggag caaagaggaa gcacgcaa atccggacatga 240
cgacgaggag gcagtagaga cccatcctca actgttcttg tcctagagcc tctttcccta 300
cttctaaaatg agtggaaagc caccacaag cccgtgagtg aggatgccct tggtaaacc 360
aggtgatcac accctgggca ggccctgccc cacaggggccc catcccgtg ctcccagcc 420
tgtcctcacc aactgcccag gcaggagcaa agcccacggg gaggacctgt gaccacaggc 480
aaggaccacg gaccccagcc ccagggattt tgacctcaag aaaggaaaca t 531

```

<210> 3550

<211> 531

<212> DNA

<213> Homo sapiens

<400> 3550

```

ggctaagcca ggactgcttt tctggagtga taatgtgctt gcctgtgtct aagagaaagt 60
acctgggctg ataaatggga ctgggatttt aaataccatt ggataataaa tgtatgtgat 120
ggctttggag caaatgatt gacaatggct aggagacagc ttccaaggc tggaaagagg 180
ggagtgcgga acatgcctcc accataccac tgcccacctc ctgtgacctc tgcagcaaaa 240
cctgaagccc caaagaggca gcttctcaaa gtaaaagtgg aatgaagttc ctggtgacct 300
gaattcccat ggaggaaaga ggaaaaggac attatgcaag gagatggcat ctctgtgtccc 360
tggtgaacca attccattag gaagacgggt cagtgtgagg tggacctgga cctggataaa 420
atgggtgttt aacaagtatt tgttgagtag gtggtggagg aggcacgact agatgcaggg 480
tctagctgag ttgacaagag ctaacaccag gtgtggacca ggacaggggg a 531

```

<210> 3551

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

3107

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 3551

gactcatctc atnaaggga caaagatgng ctccaccnngg tngggccgct ctagnaacta 60

gtgggtcccc cgggctgcag naattcggca gngcgnccctg ggctccagct ttggctctgg 120

cgcgggctcc agctccttca gccgcaccag ctctccaggg gccgtggttg tgaagaagat 180

3108

cgagacacgt gatgggaagc tgggtgtctga gtcctctgac gtcctgcca agtgaacagc 240
tgcggcagcc cctcccagcc taccctcct gcgncctgcc cagagcctgg gaaggaggcc 300
gctatgcagg gtagcactgg gaacaggaga ccacctgag gtcagccct agccctcagc 360
ccacctgggg agtttactac ctggggaccc cccttgcca tgcctccagc tacaaaacaa 420
ttcaattgct tttttttttt ggtccaaaat aaacctcag ntagctctgc c 471

<210> 3552

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (541)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

3109

<220>
 <221> misc feature
 <222> (717)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (720)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (741)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (755)
 <223> n equals a,t,g, or c

<400> 3552
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 ttctaaaaatg ttcaaattgt ctagttctaa aagtttacta aatgcctagt gcagttaaac 120
 atactcttgt ttaagtgtgt gttgctaaat tttttactgt cattactaaa taatctgtgt 180
 ggcaaaaatgt gtgtcagcac ttttccctcc tttnttatct cctattttca ggagtcaaac 240
 gtagccataa actgtatcct tgtctgacac tttagctaaa aatttccagt taggggagtt 300
 tattgccaaa ttaaatattgg ctgttcccc caacccatat agatattaag gaaggtgtac 360
 ttaaaaaatg tttggactgc ttttaaaacc tgagcaatgt cattaatcca tatgtggact 420
 antgatgaat anatattttc ataagagttt aaatgctgat atttggtgga agtanagagt 480
 aactcatatt ctatcaattc aagtattctt actatggttg ctttccctat ttgttcaata 540
 nactgataat actggaattt atanagtttg agccattaca acttttgtga ggatgtgttt 600
 caaacatttc tggacanatc ttattttgta tttctggaaa aatgttataa tcttctaaaa 660
 ccgcttaaaa accaatgctc ccaanctgaa tattcttgaa aaaatttggt tttattnatn 720
 ccatttgaca tttccaatca ntgctccata tacant 756

<210> 3553
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (173)
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<220>
 <221> misc feature
 <222> (175)
 <223> n equals a,t,g, or c

<220>

3110

<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
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<222> (306)
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<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3111

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<400> 3553

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cccacgcgtc cgccccacgcg tccgtgaaaa tcaagatcaa gcgagctttt gccctttctgc 60
tccacgggag gtttctgtcc tccctgagct cgccttagga cacctgcgtt accgtttgac 120
aggtgtaccg ccccgatcaa actccccacc tggcactgtc cccggagcgg gtngngcncg 180
gnngngcgc ggccgggcgc ttggcgccag aagcgagagc ccctcggggc tcgnccccc 240
gcntcancgg gtcagtgaaa aaacgatcag agtagtggtt tttcaccggc ggcccgaag 300
gancgngaaa cccgggnccg gggccccttc gcgggggaaaa cgggggggng ccngggg 357
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<210> 3554

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 3554

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gaatcccggc tccgancccc ggactcgcgc ccgcncgcac gcccgcacct tnnccctcc 59
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<210> 3555

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

3112

<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3555
gagcttgnag ggaacgaact tgntagaata cttggnaaaa gagaaactaa ngaaagaagc 60
tgccaaaang cttgagcagt caaaagaggc agatatagat tccantgatg anagtgatat 120
tgaggaagat attgaccanc catcagctca taanac 156

<210> 3556
<211> 482
<212> DNA

3113

<213> Homo sapiens

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<400> 3556

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gaagatatatt atctatgaag atataaatgg tgcagagaga ctttcatctg tggattgcgt 60
tgtttcttag ggttcctagc actgatgcct gcacaagcat gtgatatgtg aaataaaatg 120
gattcttcta tagctaaatg agttccctct ggggagagtt ctggtactgc aatcacaatg 180
ccagatgggtg tttatgggct atttgtgtaa gtaagtggta agatgctatg aagtaagtgt 240
gtttgttttc atcttatgga aactcttgat gcatgtgctt ttgtatggaa taaattttgg 300
tgcaatatga tgtcattcaa ctttgcattg aattgaattt tggttgtatt tatatgtatt 360
atacctgtca cgcttctagt tgcttcaacc attttataac cattttttgta catattttac 420
ttgaaaatat tttaaagga aatttaaata aacatttgat agtttacata aaaaaaannn 480
nn                                         482

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<210> 3557

<211> 60

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

3114

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 3557

tncaagatgn cggagcagga gtnggtggct cagttgtaca tgaccctgaa ggncnaggag 60

<210> 3558

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

3115

<221> misc feature
 <222> (495)
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<220>
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 <222> (529)
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<220>
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<220>
 <221> misc feature
 <222> (567)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<400> 3558
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 actattatga tgaaccataa ctaaagtgtc tattaaagca actgagtgtc tagccctaaa 120
 ttaaccaggt aaaaactggt aacactaacc tgaagttttg tgaataactg ttctttaact 180
 tattgagatg ttgcaagaaa tgcacatcca ggggtggactg ggagctatga aatgactaaa 240
 ttctctccttg cagtgtttac cttcaagatt gtataggtaa tctctcctct tcttccccca 300
 gtccccatta cttattgcac actgttttaa ctgactccgt tttgatatta atcaccagga 360
 ccataaactc atcaanagga atttctggag tatactcacg actgtcnttg atttangttc 420
 ctaaattttt ttaggatagg gtanggttgt gcctgggcag aaattccttt ttgggcctaa 480
 atttttaact ntccntttcc ccagcttggc ctggagtcct ccccttaanc cgggggtttc 540
 ccccttaanc acccaatgga tgggaanccc ngg 573

<210> 3559
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (180)
 <223> n equals a,t,g, or c

3116

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 3559
ggagnaattg gtcaaaaagtg gctttttgtt tccccaagg gaaagactgg ctttgtaatt 60
ataatttttt ccttatttat ttacttaaa actggtagag tctaagtatt atatgaagtg 120
cccatgattc tgtcagtaaa ttgaacata tttttattag ttaatgtcag tttaagttgn 180
ccttttgttt gnttctattt ttaaggtgaa ttttaatttc tatctgaaat cagttaagat 240
accttgagaa aaactgcagt gagaggagat aaatatcctt tttcaggagg aactgatatc 300
tctggctaaa tatctgcctt ttattatggn ttctaaatca gctattntct tcagctttaa 360
tttcntaaaa ttaannaact attttaaaaa ttctgtaga tgggtggaaat aantaaaaat 420
tcctggcgca gtggg 435

<210> 3560
<211> 409
<212> DNA
<213> Homo sapiens

<220>

3117

<221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
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 <222> (256)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (367)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (377)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (408)
 <223> n equals a,t,g, or c

<400> 3560
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 atccatttgg aagcagtga aaaggcaact cagaaaagcta agaagaaata gatagaggaa 120
 tactcagagc tatctgagta ttttcttttag tttgttagct ctttggagct ttgaaactgg 180
 aaagacccag ggagtgatgt ggagaaagag actgagcttg taagacacag gagcagtgag 240
 ctaagggaga tggagnagtg gggacaaatt ctggcacatt ctgtctacac tctgggtaga 300
 tagaggaggg aggatggagc acccatggag ggggtatgtt ggtgacagca ttttcccacc 360
 agccagnngt aacaagnngc tgatttgggg gaaangatgg catacacna 409

<210> 3561
 <211> 101
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (43)

3118

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<400> 3561

gaagaaagct acatgaatta attgtactct atgggaaaat ttntttggaa agatattttg 60
naaaantttt ttttccaagt anaaacttta tgaaacttgn t 101

<210> 3562

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

3119

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 3562
gagataaggt tcaaaagtgt tataagaaga tattcctttt tttgtcctag agaacttatt 60
ttcctgtgaa aatgcctacc acaaagaaga cattgatgtt cttatcaagc tttttcacca 120
gccttgggtc cttcattgta atttgctcta ttcttgggac acaagcatgg atcaccagta 180
caattgctgt tagagactct gcttcaaatg ggagcatttt catcacttac ggactttttc 240
gtggggagag tagtgaagaa ttgagtcacg gacttgcaga accaaanaaa aagttttgca 300
gttttttagaa aatactgaat aattctttnc caaaaaaac ctntgncatt tcggggggan 360
tattcctggt tccctggngc ctgaagtttg aat 393

<210> 3563
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3563
gaaaagaact ttcgagactt agaaaagtag ccttcgtatg ccagatacta gcatattatt 60
agcaatctag aaaatttcagt tgtatggcct ggctcattct ctgatactgg ataaaatgat 120
tcataatcat taattcaatt ttnattagtt atgttccaaa atgncactga gtatttttaa 180
caaaagtagt aggtaagata actgactata aggaatgagt acagtaattt tcctttttct 240
aggncaccaa caatggctgg aggtttgttt gccatgaaca gacagtattt ccatggaact 300
tggacagtat gatagtggca tggatatctg ggg 333

<210> 3564
<211> 158
<212> DNA
<213> Homo sapiens

3120

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
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<220>
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<222> (88)
<223> n equals a,t,g, or c

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3564
cacagangca catcagtcctt gangcttcct gtgaggttnna cgctccgcag cccagcccag 60
ccgggagacc acgtggccat tggcggtntc ctgaccttgg gccagtgaan ctgccagcct 120
tccangagca nggcggccgg agagctgccc ctgnagta 158

3121

<210> 3565
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3565
tcgacccacg cgtccgcca cgcgtccggt gnttagtata cccgncctgt gggcngccnc 60
agtntcccct cctaag 76

<210> 3566
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3122

<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
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<220>
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<222> (319)

3123

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 3566

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ctatntggaa agctggccgc ctgcaggtac cggtcgggaa ttcccggggtt gacccacgcn 60
ttnggttttt ttcttcagta acaanagaaa cccnagttgg gagtttaaca aataactgac 120
taccactcac tcatgcattt ntatttccaa ttaaagcaaa gcactgtgct gtgctcagat 180
aataatagtt ngtaagnaaa agtttttagt tttcagtgnt caggttatag aatataactg 240
accataaaaa ttacctgcag gtattnactt tttatgaact agntttttaa ttaccaagna 300
attactggtg tcattttgnt ttatgacaga nacacgtatc taacaaacaa acaaacagtg 360
anccttctcca tgggtcaagg acttccttac aatntctcct gagtnaactt ttgtgaaaat 420
aatacctaag gnt 433
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<210> 3567

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

3124

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (406)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (439)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (440)
 <223> n equals a,t,g, or c

<400> 3567
 ggggggtcca gtctgtgatc cttggtgctg tgtgccccac tccagcctgg ggacccccact 60
 tcagaaggta ggggccgtgt cccgcggtgc tgactgagggc ctgcttcccc ctccccctcc 120
 tgctgtgctg gaattccaca gggaccaggg ccaccgcagg gactgtctca gaagacttga 180
 tttttccgtc cttttttctc cacactccac tgacaaacgt cccagcgggt ttccacttgt 240
 ggggcttcaa gtgttttcaa gcacaaccca ccacaacaag caagtgcatt tcagtcggtg 300
 tgcttttttg tttgtgctaa agtcttacta atttaaanat gtgtcggcac cagttaatta 360
 atttccatgg tcagtcagct tgctgtcttc gtgcgagtg angctnnct gttgggtcca 420
 gcagcagggc atcatgtann tggcgacagt gaac 454

<210> 3568
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (373)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (382)
 <223> n equals a,t,g, or c

3125

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3568
gcttggccga gatcggcgcc gtgactctgg tcagcgcccc gcgtccagac tctcggcacc 60
acagcctggc cctgacatcc ttcaagcgcc agcaagagga gagcttccag gagcagagcg 120
ccttggcagc tgaggcccg gaggaccgct gtcaggagct cctggagaag attacggagg 180
gccaggctgc taagaagcag aaactagaac aggcttcagg ggccagctca agccaggagg 240
ccggctcgag ccaggctgcc aaagaggatg agaccagtga tggccaggct tcgggagagc 300
aggaggaagc tggcccctcg tcttcccaag caggaccctc aaatggggta gcccccttgc 360
cagatctgct ctnccttgcc anctggccac tgcaggcctc gaccgggtcaa ggncaggccc 420
ctggactggc ntgtccagtc taaagactgg cccacccggn cgcct 465

<210> 3569
<211> 68
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<222> (61)
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<220>

3126

<221> misc feature
<222> (68)
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<400> 3569
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nctgcccn 68

<210> 3570
<211> 387
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<220>
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3127

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<220>

<221> misc feature

<222> (382)

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<400> 3570

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ttaaatcagc tcatttttta accaataggc cgaaatcggc aaaatccctt ataaatcaaa 120
agaatagacc gagatagggg tgagtgttgt tccagtttgg aacaagtagt ccactattaa 180
agaacgtgga ctccaacgta caaagggcga naaacgtct atcagggcga tngcccacta 240
cgtgaaccat caccctaatac aagttttttg gggtcgaggt gccgttaaag cactaaatcg 300
gaaccccaaa ggnagcccc gatttttagag cctgacgggg gaaanncggc gaacttggcg 360
agaaaagcan gggaagaaac cnaaaga 387
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<210> 3571

<211> 232

<212> DNA

<213> Homo sapiens

<220>

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<222> (34)

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<220>

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<222> (38)

<223> n equals a,t,g, or c

<220>

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<222> (78)

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<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

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<222> (108)

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3128

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<220>
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<220>
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<222> (154)
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<220>
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<220>
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<222> (224)
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<400> 3571
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cgccatgagg ggtgacanag gccgtggtcg tggtnggcgc tttngttnca gaggaggncc 120
agaggagggt tcaagccctt tgttaccaca tatnccattg gacttctatt tgtgtgaaan 180
angccttttc ccgggtcaaa gncagcaact gtggaaactt tctncaatga gg 232

<210> 3572
<211> 310
<212> DNA
<213> Homo sapiens

<220>
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3129

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
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<220>
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<222> (229)
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<220>
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<222> (274)
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<220>
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<222> (282)
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tgcgtgactc gcctcacact agatgcttgc tgtaattgtg tctctgtatt aaactgaccg 120
ttctttggag cttcgggaatg gaccaggagg aaaaggtaaa taccaacctc gntacaacct 180
cagaggnatc aacgncctcc tgctacagac gcatctgttc tcgcctggnt cctgccggct 240
gccctgggag aggccacaaa atgccctcca cggngacaag gnctgagaac cttcggggacg 300
gccgctgccg 310

<210> 3573
<211> 152
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (20)
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<220>
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3130

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<220>

<221> misc feature

<222> (75)

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<220>

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<222> (91)

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<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<400> 3573

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gccctganat cagtnattcc tacaagttta ngtagtagac agntactatc cagctctaag 120
tctcaactgc tctttaatac tgtacttttn tt 152
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<210> 3574

<211> 141

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (9)

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<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

3131

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<222> (85)
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<220>
<221> misc feature
<222> (108)
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<220>
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<222> (118)
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gcatntctan ttgtctcaac ccttnaagca atatgtatta taaactcnga gaacagangt 120
gcaatgtgta tgggaggaac a 141

<210> 3575
<211> 133
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<220>
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3132

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<222> (119)
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<220>
<221> misc feature
<222> (124)
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<220>
<221> misc feature
<222> (133)
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gatngcgcag cctgaatggc gaatgggacn gctccctgta acaggcgcac taagccgcng 120
cggngtgtgg cgn 133

<210> 3576
<211> 544
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
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<220>
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<222> (115)
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<220>

3133

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<220>
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<220>
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 <222> (493)
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<220>
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 <222> (526)
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<220>
 <221> misc feature
 <222> (529)
 <223> n equals a,t,g, or c

<220>
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 <222> (539)
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 aacgccgtgc tccatggncg tggagggcac gggtgccacc cacaaaccac accangaggc 120
 gctgcagcca ccagggccccc aggctcgttt tcctttatag ncgaagcaaa aaacacaaga 180
 ccctccgccc gagtaaattc ttcagccacg aagggatgga tgtgcatctg ccctaagtca 240
 gattgaancc tcctcctagg ctccaggagg agcatgtgca ggaagggttg gcctgaccca 300
 aaaccggcac cccagctcct tcctccagct ccccgacccc accggccctg acctggcttc 360
 ccctcggctg tgtagggaca aagccgaagc ccagtgccat gactgcccgc ggattgaaaa 420
 acagaaacac aaaactttga ctttgacttg cgaaattgaa ncaaggtttt catttttact 480
 ctcccttggg ttnagtcttc agaaaagaaa gaatcctgac cttganaang aaggcccant 540
 tgaa 544

<210> 3577
 <211> 412
 <212> DNA
 <213> Homo sapiens

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3134

<220>
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 <222> (283)
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<220>
 <221> misc feature
 <222> (285)
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<220>
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 <222> (291)
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<220>
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 <222> (347)
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<220>
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 <222> (357)
 <223> n equals a,t,g, or c

<220>
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 <222> (359)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (383)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (392)
 <223> n equals a,t,g, or c

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 cacagctgct gtaccagtga aaacgaggct ttgcaagctt gtacctacta tataacatgt 120
 gcttggttga tggccatgca ttttcagtca gaatttatat ataaatatat gcacccattt 180
 ttttgagtgc atataattta gacctaaaaa tccttatgat taggtgaaac accaaaaata 240
 taaggaaaat aacacaacan aggaatagct tagcctgaac agngngatgg ncccagctac 300
 tacatcagat gcggtttttt tgctccctta tgttcttcgg atatggntat ggcattngna 360
 ggcttggagg taaagaactg aanataactg gngctggata gaggagcctt at 412

<210> 3578
 <211> 89

3135

<212> DNA
<213> Homo sapiens

<220>
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<222> (38)
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<220>
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<222> (51)
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<220>
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<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3578
gcacgggccg gaggtcccgg ggctgctggg cgcgggcngt gggctgcgcg nngaccgntg 60
gactgggncc cgggcacgcc ccgccaagc 89

<210> 3579
<211> 270
<212> DNA
<213> Homo sapiens

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<220>
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<222> (118)
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<220>
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<222> (157)
<223> n equals a,t,g, or c

3136

<220>
<221> misc feature
<222> (239)
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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
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<400> 3579
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ccctcatcct ttgcagaggt aacccagggc tggagtcggg agaangctga tgacatanat 120
tccaatccct gcctccttcc atctcggacc gttggangca gggcctgcac ccagtgagg 180
agcaaaggaa gccaccgctc aaagacaccc cccacccaa aaaaaagggg aaaaaaana 240
nactcggtna tngacaaacc ggtttttant 270

<210> 3580
<211> 123
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (46)
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<220>
<221> misc feature
<222> (74)

3137

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

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<220>

<221> misc feature

<222> (94)

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<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 3580

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aatcacactg tncaaacctt cttctctcct gttaacaatg ggcaancccc caactatata 60
aatattcaca gagnaagaaca aantgtgtgt gttngggggg cccacaaaac cngttctccc 120
cac                                                    123
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<210> 3581

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 3581

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gcggaacgcgt gggcggaacgc gtggggcggaac gcgtggggcag gaagatggaa tgcaccaact 60
ctcngtctct gtgggtacat gccaggcctg tccattt                               97
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<210> 3582

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

3138

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<221> misc feature
<222> (61)
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<220>
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<222> (64)
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<220>
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<222> (85)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
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<220>

3139

<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
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<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
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<220>
<221> misc feature
<222> (265)
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<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 3582
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ngcnagggtt accgggggtcc ggggnaaatt tccccggggg gtccgaaccc cnacngncgg 120
ttccngaact naagtttctt aagaatccgc ggaaagcggg gccngcntcc ttaagaaagg 180
gnatccccaag aggccttttna ccgtttaccg nccgtttggc aattgcggaa cggttccatn 240
aagcttcttt ccttattaag ttggntcacc ntnaaaaatt tcaaatttcc actggggccg 300
gtccgttttt aacaaaccgt tccgtgaact tgggggggaaa aaacc 345

<210> 3583
<211> 167
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
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3140

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
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<220>
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<222> (63)
<223> n equals a,t,g, or c

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<220>
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<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 3583
accctnctnc cactttaatt ttttanaaga aaaaaagctt tgggggttaa ccgccctttg 60
ggngacccgt ttaaccnngg ggtttcccg gggaaaattt cccccgggg ggtttccgaa 120
cccnacnngn cggtttcccg gcggggaacg gncggtttgg ggggctt 167

<210> 3584
<211> 343
<212> DNA
<213> Homo sapiens

3141

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
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<222> (309)
<223> n equals a,t,g, or c

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<222> (311)
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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
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<222> (330)
<223> n equals a,t,g, or c

<400> 3584
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ataaaaatgta tttgattaaa ttgactttta cctgctatat gatattattc tctttcttta 120
tgggttatcag ggaaagaacc acaaagaaac gggttcttaa ggancaagtt aggatgttct 180
ttggtcactt gaaacaaaaa ctgaatgtct ttcaacccaa ctgaatgttc ttcattgaaat 240
actggaatta aatgaaggga actgcttatt ctaattctta tatcagtttt aaaaccatat 300
tatttttttnna nccngaaaaac cggaaggatn agttccctcc cga 343

<210> 3585
<211> 65
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (12)

3142

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 3585

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ccgag 65

<210> 3586

<211> 159

<212> DNA

<213> Homo sapiens

<220>

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<222> (11)

<223> n equals a,t,g, or c

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<222> (23)

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<222> (35)

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<222> (41)

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<222> (100)

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<220>

<221> misc feature

<222> (103)

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3143

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<222> (115)
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<220>
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<222> (117)
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<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<400> 3586
ttgagatggg nggtctaata tcnatttact aatanggaan nctgggtaccc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccgggggaan gtnagctggg attanancgt 120
catgantggg aaaacccaaa gactggcccc catcttctt 159

<210> 3587
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>

3144

<221> misc feature
 <222> (379)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (481)
 <223> n equals a,t,g, or c

<400> 3587
 gcacattatc tatacaaaga gccatactca gtgaaagata aattacctcc taaactaaag 60
 tcccctctga ggtacaacag aaattaaaat aattgnntct cttctcaact ctatgtaggc 120
 acgtattttc catnatggga taaatgtttt catttcaagt gccaatgtgt gaactgtaat 180
 aaacattact gctttcattt tttgtaggta tggagggttac attaactgtt atagttgcgg 240
 agctgaattt taatgtcagg taattntgtt tagtccaaac tggttttgaa ctataaacia 300
 ttatggatat gtattttttg gtttctttga ccccaaaggg aaatgggggt ttangtcaaa 360
 ttgatntttt atcaaaatnn atctgtttct caaagcaaaa tctctgtntg attgaagatn 420
 attcattatt tacatatagg gtaaacagac tttactgcct attgagatca taantgagat 480
 ntggat 486

<210> 3588
 <211> 84
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>

3145

<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3588
ggaaaggaag ggcgtgtcgn ggggtgtgagc gtgtcgttga ctgggaaaac ccaggntctt 60
ctcctnnttt tggtcgcgnt gctt 84

<210> 3589
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)

3146

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<400> 3589

ccattaggaa gaanactggt acgcgtgcag gtaccgggtcc ggaattcncg ggtcgaccca 60
cgcttccgca nagaagaagg tcagnanaag gtggttcttt ccttaaangg caactcctgc 120
ccaagcccca tatcccttaa actcaataaa gtgtcccttt cattnactgg gagcagn 177

<210> 3590

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

3147

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3590
gnntggggga aaggaaagng atacgcctgg cnggnaccgg tccggaattc cgggngcgac 60
ccacgcgncc gcgnacgcgt gggcggacgc gtgnggcaa 99

<210> 3591
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 3591
gcggacgcgt ggttacgaat ggttnagcgc caggtncccc acgaacgtgc g 51

<210> 3592
<211> 99
<212> DNA

3148

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3592

gggggggggt ngggtntgac tnnngntattc aaatcngagc ccnataagga nttntggtac 60
gcctgcaggt accggtccgg aattcccggg tcgaccac 99

3149

<210> 3593
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>

3150

<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 3593
gccccacgcgt ccgcggacgc gtgggggtgct ccacctgccc aaagcagcct gcaagtccag 60
ggcacaggct gcctttttggn anggagggct ggcccatang tgctgctggc tccnnggggg 120
naggctgggc ctccagggggg gggggattcc tncctgagcac cgnnggggcac ccagggaaca 180
agggcgntca gggaatcctg ctncgggcac ccctgtgccg ctggcatgan ggccgtgttc 240
ccactgtgaa ggatgaaaga ngcaaggccc tcaangaacc gtnttctcag aa 292

<210> 3594
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

3151

<400> 3594
gggggggggg gnggggtntg attacggcct ctctaatacg antcactata gggaaagctg 60
gtacgcctgc aggtaccggt ccggtaatc ccgggtcgac ccacgcgtcc 110

<210> 3595
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3595
ggacccacgc gtccgcgtca cgcgtnggcg gacgcgtngg tctaaaaaaa aaaaaaaang 60
ggn 63

<210> 3596
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)

3152

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 3596

angcantaat ggtatgcac gggnccttna cctaaaggggaggnaagacc ggtcccgcca 60
agtcangtta ccgtgttccg gcaatgtcca cgggntcnc 99

<210> 3597

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

3153

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3597
gcaatancct ggacgagctc atcctcaatg ctggcaccct cnaggtcatt gnccanncg 60
ctcactctgg acatgtccac aggnccctcc tgggaccgca cgggccca 108

<210> 3598
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3154

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 3598

cntcatgaga aggancatgg tacgcctgca ngtaccgggc cggaattcac gggtcgtgac 60
tgggaaaacc cagaccatat ncgtcncgga aatctagctt gantg 105

<210> 3599

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<400> 3599

ggctnnggatt ataccgtcct gactgggaan acccanttgc atnttatgct atgcggttct 60
tac 63

<210> 3600

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

3155

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
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<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3600
ggctaactct cgcctcactg cggcctcccc aatccaaanc tcctgccttt cgggcanttc 60
ggcaagtcca actcctgcct gccaatggcc tctttaaggc caaactcatt tcctcacgtc 120
ngncattcca agccccgttt ttcccttccg gnagacctct tggncctctaa tttgtttatc 180
tttttggtgt ataaatccca aaatattgaa ttttggggaat anttccanca ttatgtntcg 240
aaanacaaaa gag 253

3156

<210> 3601

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3601

atcatagagg ancattgtag cctgcatgta ccgggtccgga attcacgggt cgtgactggg 60
aaaaccctaaa ccataantct gtcncgatng ncggttttac ta 102

<210> 3602

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

3157

<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
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<222> (93)
<223> n equals a,t,g, or c

<220>
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<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 3602
gtccctgaaa agttccacca tatTTTtgggg agtactcaac accaacaTcg catgggGcgn 60
ggnaaaatna nctTTtgcCaT cactggccat tanaggtgtg ggccaaacca tatgctcatg 120
gtgtgtgttg caggaanagc agacattgta cctcaccagg gagggcgGga gaaactcagt 180
ngaggatgag gtggaacgtg tgatcaccat tntggcagaa tccncgacca n 231

<210> 3603
<211> 601
<212> DNA
<213> Homo sapiens

<220>